

Dunmanway Waste Application Form



**epa**

**Environmental Protection Agency**

Environmental Protection Agency  
An Ghníomhaireacht um Chaomhnú Comhshaoil

Received 6 JUL 2007

Initials \_\_\_\_\_

# Waste Licence Application Form

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<b>EPA Ref. N°:</b> (Office use only)	W0236-07
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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**

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## INTRODUCTION

A valid application must contain the information prescribed in the Waste Management (Licensing) Regulations 2004 (SI No. 395 of 2004). **The applicant is strongly advised to read the *Application Guidance Notes for Waste Licensing*, available from the EPA.**

The applicant must conform to the format set out in the guidance notes for applications. 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. **The basic information should for the most part be supplied in the spaces given in application form** and any supporting documentation should be supplied as attachments, as specified. Consistent measurement units must be used throughout.

The applicant should note that the application form has been structured so that it requires information to be presented in an order of progressive detail.

When it is found necessary, additional information may be provided on supplementary attachments which should be clearly cross referenced with the relevant sections in the main document.

While all sections in the application form may not be relevant to the activity concerned, the applicant should look carefully through all aspects of the form and provide the required information, in the greatest possible detail.

All maps/drawings/plans must be no larger than A3 size and scaled appropriately such that they are clearly legible. In exceptional circumstances, where A3 is considered inadequate, a larger size may be requested by the Agency.

Information supplied in this application, including supporting documentation will be put on public display and open to inspection by any person. Should the applicant consider information to be confidential, 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 .....". In the event that information is considered to be of a confidential nature, then the nature of this information, and the reasons why it is considered confidential (with reference to the "Access to Information on the Environment" Regulations) should be stated in the Application Form, where relevant.

**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.**

**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>	Attachment A	
<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>	Attachment A	
<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>	Attachment A	
<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>	Attachment A	
<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 A	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

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

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

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

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

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

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

LOCATION	Attachment A & D	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

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

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(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>	Attachment E	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<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>	Attachment F	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<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 F	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<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>	Attachment A	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<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 E	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<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> <input checked="" type="checkbox"/>	<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> <input checked="" type="checkbox"/>	<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 A	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<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 A	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<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>	Attachment A	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<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>	N/A	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<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> <input checked="" type="checkbox"/>	<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(s) in which the notice in accordance with article 6 has been published,

<b>LOCATION</b>	Attachment B	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<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 B	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<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>	N/A	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<b>Official</b> <input type="checkbox"/>

(d) a copy of such plans (appropriately scaled and no larger than A3 size), 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 B	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<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>	Attachment D	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<b>Official</b> <input type="checkbox"/>

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

<b>LOCATION</b>	Attachment F	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<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>	Paid by EFT to EPA	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<b>Official</b> <input type="checkbox"/>

**Article 12(5)(a) & (b)** An application shall comprise 1 signed original of the application and 2 copies in hardcopy format plus 2 copies of all files in electronic searchable PDF format on CD-Rom.

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

<b>CD OF PDF FILES PROVIDED? Y/N</b>	Y	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<b>Official</b> <input type="checkbox"/>

**Article 13** Where a development requires an Environmental Impact Assessment to be carried out, 1 signed original and 2 copies in hardcopy format of the environmental impact statement plus 16 copies in electronic searchable PDF format on CD-ROM should accompany this application.

<b>EIA REQUIRED? Y/N</b>	N	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<b>Official</b> <input type="checkbox"/>
<b>3 HARD COPIES OF EIS INCLUDED? Y/N</b>	N	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<b>Official</b> <input type="checkbox"/>
<b>16 CD versions of EIS, as PDF files, PROVIDED? Y/N</b>	N	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<b>Official</b> <input type="checkbox"/>

## PROCEDURES

**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 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. All drawings should, however, be A3 or less and of an appropriate scale such that they are clearly legible. Provide legends on all drawings and maps as appropriate.

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



**SECTION 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) (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****B.1 Applicant's Details****Name\*:** Cork County Council**Address:** Western Division

Hume House

Wolfe Tone Street

Clonakilty

Co. Cork

**Tel:** 023-58812**Fax:** 023-58814**e-mail:**

\* 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:** Olive Downes**Address:** TOBIN Consulting Engineers

Bedford Place, Howley's Quay,

Lower Shannon Street, Limerick

**Tel:** 061 415757**Fax:** 061 409378**e-mail:** olive.downes@tobin.ie**Address of registered or principal office of Body Corporate (if applicable)****Address:** not applicable**Tel:****Fax:****e-mail:**

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.



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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:

Tel:

Fax:

e-mail:

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). An appropriately scaled drawing(≤A3) showing the above details should be included in Attachment B1.

Name: not applicable

Address:

Tel:

Fax:

e-mail:

\*Current at the time the application is submitted

B.2 Location of Activity

Name: Dunmanway Civic Amenity Site

Address\*: Kilbarry Road

Dunmanway

Co. Cork

Tel: not yet available

Fax: not yet available

e-mail: not yet available

\* Include any townland

<b>National Grid Reference</b> (8 digit 4E,4N)	E122550, N052200
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Location maps ( $\leq A3$ ), appropriately scaled, with legible grid references should be enclosed in **Attachment B.2**. The site boundary must be outlined on the map in colour.

**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:** Norton House,  
Cork Road,  
(Skibereen),  
Co. Cork

---

**Tel:** 028 40340

---

**Fax:** 028 21660

---

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 <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 type="checkbox"/>
<i>is not yet applied for</i>	<input type="checkbox"/>
<i>is not required</i>	<input checked="" type="checkbox"/>

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<b>Local Authority Planning</b> <b>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:** Cork County Council – Dunmanway Town WWTP

---

**Address:** Quarry Rd.

---

Dunmanway

---

Co. Cork

---

**Tel:** 023 45209

---

**Fax:**

---

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

The applicant should indicate the **Health Board Region** where the activity is or will be located.

**Name:** Southern Health Board

---

**Address:** Administrative Headquarters

---

Wilton Road

---

Cork

---

**Tel:** 021 4544011

---

**Fax:** 021 4345638

---

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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 an appropriately scaled drawing ( $\leq A3$ ) 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**

Waste Management Acts 1996 to 2003					
THIRD SCHEDULE Waste Disposal Activities		Y/N	FOURTH SCHEDULE Waste Recovery Activities		Y/N
1. Deposit on, in or under land (including landfill).	N		1. Solvent reclamation or regeneration.	N	
2. Land treatment, including biodegradation of liquid or sludge discards in soils.	N		2. Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes).	Y	
3. Deep injection of the soil, including injection of pumpable discards into wells, salt domes or naturally occurring repositories.	N		3. Recycling or reclamation of metals and metal compounds.	Y	
4. Surface impoundment, including placement of liquid or sludge discards into pits, ponds or lagoons.	N		4. Recycling or reclamation of other inorganic materials.	Y	
5. Specially engineered landfill, including placement into lined discrete cells which are capped and isolated from one another and the environment.	N		5. Regeneration of acids or bases.	N	
6. Biological treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 5 or paragraphs 7 to 10 of this Schedule.	N		6. Recovery of components used for pollution abatement.	N	
7. Physico-chemical treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 5 or paragraphs 8 to 10 of this Schedule (including evaporation, drying and calcination).	N		7. Recovery of components from catalysts.	N	
8. Incineration on land or at sea.	N		8. Oil re-refining or other re-uses of oil.	N	
9. Permanent storage, including emplacement of containers in a mine.	N		9. Use of any waste principally as a fuel or other means to generate energy.	N	
10. Release of waste into a water body (including a seabed insertion).	N		10. The treatment of any waste on land with a consequential benefit for an agricultural activity or ecological system.	N	
11. Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.	N		11. Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.	N	
12. Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.	Y		12. Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.	N	
13. Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.	Y		13. Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.	P	

**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>	5,000
<b>Year</b>	2033

**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)	10,000
Recovery of Waste (4)	10,000

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

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

(a) landfill for hazardous waste	<input type="checkbox"/>
(b) landfill for non-hazardous waste	<input type="checkbox"/>
(c) landfill for inert waste	<input type="checkbox"/>

**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
Mr. Jerome C. O'Sullivan	Senior Executive Officer	Head of Department	Extensive experience in all areas of Waste Management
Mr. Paudie Hegarty	Senior Executive Engineer	Overall supervision of the development and operation of the site	B.E., FAS Waste Management Course 25 years experience in general civil engineering and project supervision
Ms. Mairead Hales	Executive Engineer	Overall supervision of the development and operation of the site	B.E., FAS Waste Management Course. 10 years experience in Local Authority works including waste management.
To be appointed	Facility Manager	Responsible for day to day operations of the site. Carrying out routine site inspections and monitoring	FAS Waste Management training Course Waste Management Operative Training. SafePass
To be appointed	Deputy Facility Manager / Operative	Site upkeep, collection of charges and maintenance of onsite records and implementation of waste acceptance procedures	FAS Waste Management training Course Waste Management Operative Training. SafePass

**C.2 Environmental Management System**

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

## WASTE Application Form

### **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.

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**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	See attachment D.1
D.1.b	Designs for site roads	y	See attachment D.1
D.1.c	Design of hardstanding areas	y	See attachment D.1
D.1.d	Plant	y	See attachment D.1
D.1.e	Wheel-wash	y	See attachment D.1
D.1.f	Laboratory facilities	n	
D.1.g	Design and location of fuel storage areas	y	See attachment D.1
D.1.h	Waste quarantine areas	y	
D.1.i	Waste inspection areas	y	
D.1.j	Traffic control	y	See attachment D.1
D.1.k	Sewerage and surface water drainage infrastructure	y	See attachment D.1
D.1.l	All other services	y	See attachment D.1
D.1.n	Plant sheds, garages and equipment compound	y	See attachment D.1
D.1.n	Site accommodation	y	See attachment D.1
D.1.o	A fire control system, including water supply	y	See attachment D.1
D.1.p	Civic amenity facilities	y	See attachment D.1
D.1.q	Any other waste recovery infrastructure	y	See attachment D.1
D.1.r	Composting infrastructure	n	
D.1.s	Construction and Demolition waste infrastructure	y	See attachment D.1
D.1.t	Incineration infrastructure (if applicable). Provide information to fulfil Article 4 (2) & (3) of the Incineration of Waste Directive	n	
D.1.u	Any other infrastructure	y	

**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 (Not Applicable)**

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		
D.3.b	What type of liner system is specified?		
D.3.c	Has a Quality Control Plan been specified?		
D.3.d	Has a Quality Assurance Plan been specified?		
D.3.e	Have independent, third-party supervision, testing and controls been specified?		
D.3.f	Have basal gradients for all cells and access ramps to the cells been designed?		
D.3.g	Has a leak detection survey been specified?		



**D.4 Leachate Management (Not Applicable)**

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?		
D.4.b	Have annual quantities of leachate been calculated?		
D.4.c	Has the total quantity of leachate been calculated?		
D.4.d	Have the size of the cells been specified taking account of the water balance calculations?		
D.4.e	Has a leachate collection system been specified?		
D.4.f	Has a leachate storage system been specified?		
D.4.g	Has a system for monitoring the level of leachate in the waste been designed?		
D.4.h	Is leachate recirculation proposed/practised?		
D.4.i	Has leachate treatment on-site been specified?		
D.4.j	Has leachate removal been specified?		

**D 5 Landfill Gas Management (Not Applicable)**

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>		
D.5b	Is there a passive venting system?		
D.5c	Does the passive system cover all of the filled area?		
D.5d	Have gas alarm systems been installed in the site buildings?		
D.5e	Have measures been installed to prevent landfill gas migration (e.g. barriers)?		
D.5f	Has a time-scale been proposed for the installation of landfill gas infrastructure?		
D.5g	Is gas flaring undertaken at the site?		
D.5h	Is there an active (i.e., pumped) landfill gas extraction system?		
D.5i	Does the active system cover all of the filled area?		
D.5j	Is landfill gas used to generate energy at the site?		
D.5k	Have emissions from the flarestack and utilisation plant been assessed for source, composition, quantity and level and rate?		
D.5l	Has a maintenance programme for the control system been specified?		
D.5m	Has a condensate removal system been designed?		



**D.6 Capping System (Not Applicable)**

Complete the following table detailing the design of the capping system. Attachment D.6 should contain the appropriate documentation. **Items D6e to D6k should 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?		
D.6b	Has the intermediate cover been specified?		
D.6c	Has the temporary capping been specified?		
D.6d	Has the Capping System been designed and does it meet the requirements of the Landfill Directive Annex 1 (3.3)?		
D.6e	Does the Capping System include a flexible membrane liner?		
D.6f	Have all capping materials been specified?		
D.6g	Has a Method Statement for construction been produced?		
D.6h	Has a Quality Control Plan been produced?		
D.6i	Has a Quality Assurance Plan been produced?		
D.6j	Has a programme for monitoring landfill stability been developed?		
D.6k	Has a programme for monitoring landfill settlement been developed?		



**SECTION E EMISSIONS**

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**

**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 appropriately scaled schematics (≤A3) as appropriate.

For each Emission Point identified complete Table F.1 of the Annex, and include detailed descriptions and appropriately scaled schematics (≤A3) of all abatement systems.

Attachment F.1 should contain any supporting information.

**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 <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.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 <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.4 Sewer Discharge**

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

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

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

**F.6 Noise**

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

**F.7 Meteorological Data**

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

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



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**F.9 Landfill Gas (not applicable)**

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

Parameter	Concentration (mg Nm <sup>3</sup> )	Proposed Frequency of Analysis	Information Included Y/N	Method of Analysis	Information Included Y/N
<b>Inlet</b>					
Methane (CH <sub>4</sub> ) % v/v					
Carbon dioxide (CO <sub>2</sub> ) %v/v					
Oxygen (O <sub>2</sub> ) % v/v					
<b>Outlet</b>					
Volumetric Flow Rate					
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	Proposed Frequency of Analysis		Information Included Y/N	Method of Analysis	Information Included Y/N
	Gas boreholes / vents/ wells/ perimeter locations	Facility Office			
Methane (CH <sub>4</sub> ) % v/v					
Carbon Dioxide (CO <sub>2</sub> ) % v/v					
Oxygen (O <sub>2</sub> ) % v/v					
Atmospheric Pressure					
Temperature					

Table F.9 (c) Landfill Gas Infrastructure

Equipment	Monitoring Frequency	Information Included Y/N	Monitoring Action	Information Included Y/N
Gas Collection System				
Gas Control System				

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

**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 checked="" type="checkbox"/> no <input type="checkbox"/> not applicable <input 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	Quantity (tpa)	Class of Activity Applied For	Quantity (tpa)
Class 1		Class 1	
Class 2		Class 2	2420
Class 3		Class 3	175
Class 4		Class 4	285
Class 5		Class 5	
Class 6		Class 6	
Class 7		Class 7	
Class 8		Class 8	
Class 9		Class 9	
Class 10		Class 10	
Class 11		Class 11	
Class 12	500	Class 12	
Class 13	500	Class 13	1620

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)
2008	2280	20	2300
2010	2420	22	2442
2033	4848	42	5000



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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	not applicable	1848	not applicable
Commercial	not applicable	2000	not applicable
Sewage Sludge	not applicable	not applicable	not applicable
Construction and Demolition	not applicable	1000	not applicable
Industrial Non-Hazardous Sludges	not applicable	not applicable	not applicable
Industrial Non-Hazardous Solids	not applicable	not applicable	not applicable
Hazardous *(Specify detail in Table H 1.2)	not applicable	152	not applicable
Inert Waste imported for restoration purposes	not applicable	not applicable	not applicable

\* 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	20 01 25 and 13 01 00	not applicable	10.0
Oil filters	13 02 00	not applicable	5.0
Asbestos	not applicable	not applicable	not applicable
Paint and Ink	20 01 27	not applicable	20.0
Batteries	20 01 33 and 16 06 00	not applicable	100.0
Fluorescent Light Bulbs	20 01 21	not applicable	4.0
Contaminated Soils	not applicable	not applicable	not applicable
OTHER HAZARDOUS WASTE (APPLICANT TO SPECIFY)			
Plastic Oil Containers	16 01 99	not applicable	8.0

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.**

### ***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.

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

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.

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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, appropriately scaled plans/drawings ( $\leq A3$ ), 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)



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- (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, appropriately scaled maps ( $\leq A3$ ), 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*

**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 J**.

<b>Attachment included</b>	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**

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

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

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

**L.2 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).

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- 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 L 2** with reference to where the information can be found in the application.

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

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**SECTION M DECLARATION**

**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.

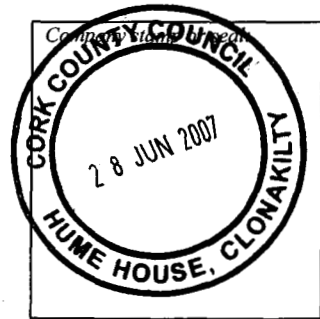
I give consent to the EPA to copy this application for its own use and to make it available for inspection and copying by the public, both in the form of paper files available for inspection at EPA and local authority offices, and via the EPA's website. This consent relates to this application itself and to any further information, submission, objection, or submission to an objection whether provided by me as Applicant, any person acting on the Applicant's behalf, or any other person.

Signed by :  Date : 28 June 2007  
(on behalf of the organisation)

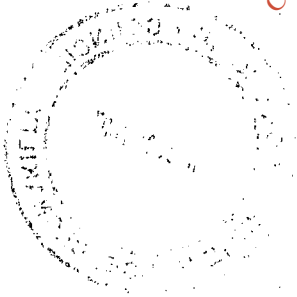
Print signature name: JEROME C. O'SULLIVAN

Position in organisation : SENIOR EXECUTIVE OFFICER

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## ANNEX 1 STANDARD FORMS

Standard forms are provided in this section for the recording and presentation of environmental monitoring and site investigation results

**TABLE E.1(i) LANDFILL GAS FLARE EMISSIONS TO ATMOSPHERE**

**Emission Point:** not applicable

Emission Point Ref. N <sup>o</sup> :	
Location :	
Grid Ref. (12 digit, 6E,6N):	
<b>Vent Details</b>	
Diameter:	
Height above Ground(m):	
Date of commencement of emission:	

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**Characteristics of Emission :**

CO	mg/m <sup>3</sup>
Total organic carbon (TOC)	mg/m <sup>3</sup>
NOx	mg/Nm <sup>3</sup> 0°C. 3% O <sub>2</sub> (Liquid or Gas), 6% O <sub>2</sub> (Solid Fuel)
Maximum volume of emission	m <sup>3</sup> /hr
Temperature	°C(max)      °C(min)      °C(avg)

(i) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up/shutdown to be included*):

Periods of Emission (avg)	_____ min/hr	_____ hr/day	_____ day/yr
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TABLE E.1(ii) MAIN EMISSIONS TO ATMOSPHERE (not applicable)

Emission Point Ref. N <sup>o</sup> :	n/a
Source of Emission:	
Location :	
Grid Ref. (12 digit, 6E,6N):	
Vent Details Diameter:	
Height above Ground(m):	
Date of commencement:	

Characteristics of Emission :

(i) Volume to be emitted:			
Average/day	mg/m <sup>2</sup> /d	Maximum/day	mg/m <sup>2</sup> /d
Maximum rate/hour	m <sup>3</sup> /h	Min efflux velocity	m.sec <sup>-1</sup>
(ii) Other factors			
Temperature	°C(max)	°C(min)	°C(avg)
For Combustion Sources:			
Volume terms expressed as : <input type="checkbox"/> wet. <input type="checkbox"/> dry.    _____%O <sub>2</sub>			

(iii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included*):

Periods of Emission (avg)	_____ min/hr    _____ hr/day    _____ day/yr
---------------------------	--



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TABLE E.1(iii): MAIN EMISSIONS TO ATMOSPHERE - Chemical characteristics of the emission (1 table per emission point)

Emission Point Reference Number: not applicable \_\_\_\_\_

Parameter	Prior to treatment <sup>(1)</sup>				Brief description of treatment	As discharged <sup>(1)</sup>					
	mg/Nm <sup>3</sup>		kg/h			mg/Nm <sup>3</sup>		kg/h.		kg/year	
	Avg	Max	Avg	Max		Avg	Max	Avg	Max	Avg	Max

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1. Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0°C,101.3kPa). Wet/dry should be the same as given in Table E.1(ii) unless clearly stated otherwise.



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TABLE E.1(iv): EMISSIONS TO ATMOSPHERE - Minor /Fugitive

not applicable

Emission point Reference Numbers	Description	Emission details <sup>1</sup>				Abatement system employed
		material	mg/Nm <sup>3(2)</sup>	kg/h.	kg/year	

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- 1 The maximum emission should be stated for each material emitted, the concentration should be based on the maximum 30 minute mean.
- 2 Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0°C/101.3kPa). Wet/dry should be clearly stated. Include reference oxygen conditions for combustion sources.

**TABLE E.2(i): EMISSIONS TO SURFACE WATERS**  
(One page for each emission)

**Emission Point: SE1**

Emission Point Ref. N <sup>o</sup> :	SE1				
Source of Emission:	Storm Water runoff, diverted via a Class 1 full retention interceptor, from areas that are NOT used for the storage and handling of waste - flexible paved areas including all site roads and pedestrian walkways				
Location :	Emission point is located to the North of the site. See Drawing No. 2528-2635 A				
Grid Ref. (10 digit, 5E,5N):	22439E 52240N				
Name of receiving waters:	River Dirty				
Flow rate in receiving waters:	<table border="0" style="width: 100%;"> <tr> <td style="text-align: center;">Not available</td> <td style="text-align: right;">m<sup>3</sup>.sec<sup>-1</sup> Dry Weather Flow</td> </tr> <tr> <td style="text-align: center;">Not available</td> <td style="text-align: right;">m<sup>3</sup>.sec<sup>-1</sup> 95%ile flow</td> </tr> </table>	Not available	m <sup>3</sup> .sec <sup>-1</sup> Dry Weather Flow	Not available	m <sup>3</sup> .sec <sup>-1</sup> 95%ile flow
Not available	m <sup>3</sup> .sec <sup>-1</sup> Dry Weather Flow				
Not available	m <sup>3</sup> .sec <sup>-1</sup> 95%ile flow				
Available waste assimilative capacity:	Not available kg/day				

**Emission Details:**

(i) Volume to be emitted			
Normal/day	1 m <sup>3</sup>	Maximum/day	22.5 m <sup>3</sup>
Maximum rate/hour	22.5 m <sup>3</sup> (15-min storm duration)		

(ii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included*):

Periods of Emission (avg)	During periods of precipitation ___ min/hr ___ hr/day ___ day/yr
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TABLE E.2(ii): EMISSIONS TO SURFACE WATERS - Characteristics of the emission (1 table per emission point)

Emission point reference number : SE1

Parameter	Prior to treatment				As discharged				% Efficiency
	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	
Concentration of Oil					5mg/l	5mg/l			

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Note: It is proposed that once the facility is in operation, monitoring of the parameters listed above on samples taken from the manhole located before and after the on-site oil interceptor will be undertaken



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TABLE E.3(i): EMISSIONS TO SEWER(One page for each emission)

Emission Point: FE1

Emission Point Ref. N <sup>o</sup> :	SE1 (foul emissions)
Location of connection to sewer :	Connection to public sewer located at the South East of the site. See Drawing No. 2528-2634 A
Grid Ref. (10 digit, 5E,5N):	E 22548, N 52107
Name of sewage undertaker:	Cork County Council – Dunmanway Town WWTP

Emission Details:

(i) Volume to be emitted			
Normal/day	0.54m <sup>3</sup>	Maximum/day	0.54m <sup>3</sup>
Maximum rate/hour	0.0225m <sup>3</sup>		

(ii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (start-up /shutdown to be included):

Periods of Emission (avg)	<u>60</u> min/hr	<u>24</u> hr/day	<u>365</u> day/yr
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TABLE E.3(ii): EMISSIONS TO SEWER - Characteristics of the emission (1 table per emission point)

Emission point reference number : SE1 (foul emissions)

Parameter	Prior to treatment				As discharged				% Efficiency
	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	
Chemical Oxygen Demand	400	400	0.4	130	400	400	0.4	130	
Biochemical Oxygen Demand	300	300	0.3	98	300	300	0.3	98	
Total solids	200	200	0.2	65	200	200	0.2	65	
Total Nitrogen	50	50	0.05	16.25	50	50	0.05	16.25	
Total Phosphorus	10	10	0.01	3.25	10	10	0.01	3.25	
Total coliforms (MPN/ 100 ml)	10 <sup>7</sup> -10 <sup>8</sup>	10 <sup>7</sup> -10 <sup>8</sup>	n/a	n/a	10 <sup>7</sup> -10 <sup>8</sup>	10 <sup>7</sup> -10 <sup>8</sup>	n/a	n/a	

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Note: Emissions to SE1 are assumed to be of a quality similar to domestic wastewater and above information is therefore assumed to be as above set out in the Wastewater Treatment Manual "Treatment Systems for Single Houses", published by the Agency.

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**TABLE E.4(i): EMISSIONS TO GROUNDWATER** (1 Page for each emission point)

**Emission Point or Area:** not applicable

Emission Point/Area Ref. N <sup>o</sup> :	
Emission Pathway: (borehole, well, percolation area, soakaway, landspreading, etc.)	
Location :	
Grid Ref. (10 digit, 5E,5N):	
Elevation of discharge: (relative to Ordnance Datum)	
Aquifer classification for receiving groundwater body:	
Groundwater vulnerability assessment (including vulnerability rating):	
Identity and proximity of groundwater sources at risk (wells, springs, etc):	
Identity and proximity of surface water bodies at risk:	

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**Emission Details:**

(i) Volume to be emitted			
Normal/day	m <sup>3</sup>	Maximum/day	m <sup>3</sup>
Maximum rate/hour	m <sup>3</sup>		

(ii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included*):

Periods of Emission (avg)	_____ min/hr	_____ hr/day	_____ day/yr
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Table E.5(i): NOISE EMISSIONS - Noise sources summary sheet

Source	Emission point Ref. No	Equipment Ref. No	Sound Pressure <sup>1</sup> dBA at reference distance	Octave bands (Hz) Sound Pressure <sup>1</sup> Levels dB(unweighted) per band								Impulsive or tonal qualities	Periods of Emission	
				31.5	63	125	250	500	1K	2K	4K			8K
Compactor														During hours of operations
Transport Equipment														During hours of operations

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1. For items of plant sound power levels may be used.

**TABLE F.1: ABATEMENT / TREATMENT CONTROL**

*Emission point reference number:* SW1

Control <sup>1</sup> parameter	Equipment <sup>2</sup>	Equipment maintenance	Equipment calibration	Equipment back-up
	Full retention separator (oil interceptor)	As per manufacturer's instructions	As per manufacturer's instructions	Shut down

Control <sup>1</sup> parameter	Monitoring to be carried out <sup>3</sup>	Monitoring equipment	Monitoring equipment calibration
			As per manufacturer's instructions

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<sup>1</sup> List the operating parameters of the treatment / abatement system which control its function.

<sup>2</sup> List the equipment necessary for the proper function of the abatement / treatment system.

<sup>3</sup> List the monitoring of the control parameter to be carried out.

**TABLE F.2 to F.8 : EMISSIONS MONITORING AND SAMPLING POINTS**  
**- ( 1 table per media)**

*Emission Point Reference No(s).* : Dust (D1, D2, D3, D4)

Parameter	Monitoring frequency	Accessibility of Sampling Points
Dust	Baseline and Annual	Easily accessible

**Note 4:** Baseline monitoring has been carried out at emission points no. D1, D2, D3 and D4 and annual monitoring is proposed at these locations

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Emission Point Reference No(s) : Noise (N1, N2, N3, N4)

Parameter	Monitoring frequency	Accessibility of Sampling Points
L(A) <sub>EQ</sub> [30 minutes]	Baseline and Annual	Easily accessible
L(A) <sub>10</sub> [30 minutes]	Baseline and Annual	Easily accessible
L(A) <sub>90</sub> [30 minutes]	Baseline and Annual	Easily accessible
Frequency Analysis (1/3 Octave band analysis)	Baseline and Annual	Easily accessible

**Note 4:** Baseline monitoring has been carried out at emission points no. N1, N2, N3, N4, NSL1 and NSL2 and annual monitoring is proposed at these locations

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Emission Point Reference No(s) : Surface water (SE1)

Parameter	Monitoring frequency	Accessibility of Sampling Points
Flow	Continuous	Easily accessible
Temperature	Continuous	Easily accessible
pH	Continuous	Easily accessible
BOD	Biannually	Easily accessible
COD	Biannually	Easily accessible
Suspended Solids	Biannually	Easily accessible
Oils, Fats and greases	Biannually	Easily accessible

**Note 4:** Biannual and continuous monitoring is proposed at this location.

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**TABLE Ff: Fugitive ENVIRONMENT MONITORING AND SAMPLING LOCATIONS (1 table per media)**

Monitoring Point Reference No : not applicable

Parameter	Monitoring frequency	Accessibility of Sampling point

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**Table G.1 Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site**

Ref. N <sup>o</sup> or Code	Material/ Substance <sup>(1)</sup>	CAS Number	Danger <sup>(2)</sup> Category	Amount Stored (tonnes)	Annual Usage (tonnes)	Nature of Use	R <sup>(3)</sup> - Phrase	S <sup>(3)</sup> - Phrase
	Water			0	1000m3			
	Electricity			0	21200kWh			
	Diesel			0	38000 Litres			
	Hydraulic oil			0	100 Litres			

- Notes: 1. In cases where a material comprises a number of distinct and available dangerous substances, please give details for each component substance.  
2. c.f. Article 2(2) of SI N<sup>o</sup> 77/94  
3. c.f. Schedules 2 and 3 of SI N<sup>o</sup> 77/94

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**TABLE H.1(i): WASTE - Hazardous Waste Recovery/Disposal**

Waste material	EWC Code	Main source <sup>1</sup>	Quantity		On-site Recovery/Disposal (Method & Location )	Off-site Recovery, reuse or recycling (Method, Location & Undertaker)	Off-site Disposal (Method, Location & Undertaker)
			Tonnes / month	m <sup>3</sup> / month			
Waste Oil	20 01 25 and 13 01 00		0.5	n/a	Storage in domestic hazardous waste unit	To be determined	To be determined
Oil filters	13 02 00		0.4	n/a	Storage in domestic hazardous waste unit	To be determined	To be determined
Paint and Ink	20 01 27		0.33	n/a	Storage in domestic hazardous waste unit	To be determined	To be determined
Batteries	20 01 33 and 16 06 00		0.25	n/a	Storage in domestic hazardous waste unit	To be determined	To be determined
Fluorescent Light Bulbs	20 01 21		0.166	n/a	Storage in domestic hazardous waste unit	To be determined	To be determined
Household Gas Cylinders	16 01 16			n/a	Storage in domestic hazardous waste unit	To be determined	To be determined
Plastic Oil Containers	16 01 99			n/a	Storage in domestic hazardous waste unit	To be determined	To be determined

<sup>1</sup> A reference should be made to the main activity / process for each waste.

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TABLE H.1(ii) WASTE - Other Waste Recovery/Disposal

Waste material	EWC Code	Main source <sup>1</sup>	Quantity		On-site recovery/disposal <sup>2</sup> (Method & Location)	Off-site Recovery, reuse or recycling (Method, Location & Undertaker)	Off-site Disposal (Method, Location & Undertaker)
			Tonnes / month	m <sup>3</sup> / month			
Mixed Municipal Waste	20 03 01	Municipal Waste	42	n/a			
Cardboard & Cardboard Packaging	15 01 01	Municipal Waste	56	n/a	Compacted and stored in Baler Basement	To be determined	To be determined
Clean Plastic Bags	15 01 02	Municipal Waste	8	n/a	Compacted and stored in Baler Basement	To be determined	To be determined
Mixed Paper	20 01 01	Municipal Waste	50	n/a	Compacted and stored in Baler Basement	To be determined	To be determined
Plastic Bottles	15 01 02	Municipal Waste	8	n/a	Compacted and stored in Baler Basement	To be determined	To be determined
Tetra-Paks	15 01 05	Municipal Waste	4	n/a	Compacted and stored in Baler Basement	To be determined	To be determined
Newsprint/ Magazines	20 01 01	Municipal Waste	29	n/a	Compacted and stored in Baler Basement	To be determined	To be determined
Garden Waste	20 02 01	Municipal Waste	13	n/a	Stored in dedicated low level containers	To be determined	To be determined
Scrap Metal	20 01 40	Municipal Waste	8	n/a	Stored in dedicated low level containers	To be determined	To be determined
Timber (untreated Only)	20 01 38	Municipal Waste	50	n/a	Stored in dedicated low level containers	To be determined	To be determined
Electrical Goods	20 01 36	Municipal Waste	8	n/a	Stored in WEEE containers	To be determined	To be determined
White Goods	20 01 36	Municipal Waste	8	n/a	Stored in WEEE containers	To be determined	To be determined
Drinks and Food Cans	15 01 04	Municipal Waste	2	n/a	Stored in bottle and cans bank	To be determined	To be determined
Glass Bottles & Jars	15 01 07	Municipal Waste	4	n/a	Stored in bottle and cans bank	To be determined	To be determined
Flat Glass	20 01 02	Municipal Waste	13	n/a	Stored in dedicated container on upper level	To be determined	To be determined
Furniture	20 03 07	Municipal Waste	17	n/a	Stored in reusable building	To be determined	To be determined

1 A reference should be made to the main activity/ process for each waste.

2 The method of disposal or recovery should be clearly described and referenced to Attachment H.1





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Table I.2(i) SURFACE WATER QUALITY

(Sheet 1 of 2) Monitoring Point/ Grid Reference: SW1 (22437E 52245N)

Parameter	Results (mg/l)	Sampling method <sup>2</sup> (grab, drift etc.)	Normal Analytical Range <sup>2</sup>	Analysis method / technique
	14/03/07			
pH	7.11	grab	n/a	Meter
Temperature	9.5°C	grab	n/a	Meter
Electrical conductivity EC	150 µS/cm	grab	<0.014µs/cm	Meter
Ammoniacal nitrogen NH <sub>4</sub> -N	<0.2 mg/L	grab	<0.2mg/L	Spectro
Chemical oxygen demand	<15 mg/L	grab	<15mg/L	Spectro
Biochemical oxygen demand	2 mg/L	grab	<2mg/L	5 day ATU
Dissolved oxygen DO	4.2 mg/L	grab	<0.1mg/L	Meter
Calcium Ca	14130 µg/L	grab	<120 µg/L	ICP MS
Cadmium Cd	<0.4 µg/L	grab	<1 µg/L	ICP MS
Chromium Cr	3 µg/L	grab	<0.05mg/L	ICP IRIS
Chloride Cl	19 µg/L	grab	<1µg/L	Kone
Copper Cu	<1 µg/L	grab	<1µg/L	ICP MS
Iron Fe	148 µg/L	grab	<2µg/L	ICP MS
Lead Pb	<1 µg/L	grab	<1µg/L	ICP MS
Magnesium Mg	2083 µg/L	grab	<100µg/L	ICP MS
Manganese Mn	5 µg/L	grab	<1µg/L	ICP MS
Mercury Hg	<0.05 µg/L	grab	<0.05µg/L	CV AA

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Surface Water Quality (Sheet 2 of 2) SW1

Parameter	Results (mg/l)	Sampling method (grab, drift etc.)	Normal Analytical Range	Analysis method / technique
	14/03/07			
Nickel Ni	2 µg/L	grab	<1µg/L	ICP MS
Potassium K	1.5 mg/L	grab	<0.2mg/L	Flame Photo
Sodium Na	9.5 mg/L	grab	<0.2mg/L	Flame Photo
Sulphate SO <sub>4</sub>	5 mg/L	grab	<3mg/L	KONE
Zinc Zn	28 µg/L	grab	<1µg/L	ICP MS
Total alkalinity (as CaCO <sub>3</sub> )	30 mg/L	grab	<1mg/L	Titration
Total organic carbon TOC	3 mg/L	grab	<2 mg/L	IR
Total oxidised nitrogen TON	2.2	grab	<0.3mg/L	Kone
Nitrite NO <sub>2</sub>	<0.05 mg/L	grab	<0.5mg/L	Kone
Nitrate NO <sub>3</sub>	9.6 mg/L	grab	<0.3mg/L	Kone
Faecal coliforms (/100mls)	<1	grab		MT C121
Total coliforms (/100mls)	980	grab		MT C121
Phosphate PO <sub>4</sub>	0.06 mg/L	grab	<0.03mg/L	Kone

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WASTE Application Form

Table I.2(i) SURFACE WATER QUALITY

(Sheet 1 of 2) Monitoring Point/ Grid Reference: SW2 (22542 E 52303 N)

Parameter	Results (mg/l)	Sampling method <sup>2</sup> (grab, drift etc.)	Normal Analytical Range <sup>2</sup>	Analysis method / technique
	14/03/07			
pH	7.02	grab	n/a	Meter
Temperature	9.6°C	grab	n/a	Meter
Electrical conductivity EC	150 µS/cm	grab	<0.014µs/cm	Meter
Ammoniacal nitrogen NH <sub>4</sub> -N	<0.2 mg/L	grab	<0.2mg/L	Spectro
Chemical oxygen demand	<15 mg/L	grab	<15mg/L	Spectro
Biochemical oxygen demand	3 mg/L	grab	<2mg/L	5 day ATU
Dissolved oxygen DO	4.2 mg/L	grab	<0.1mg/L	Meter
Calcium Ca	13620 µg/L	grab	<120 µg/L	ICP MS
Cadmium Cd	<0.4 µg/L	grab	<1 µg/L	ICP MS
Chromium Cr	2 µg/L	grab	<0.05mg/L	ICP IRIS
Chloride Cl	17 µg/L	grab	<1µg/L	Kone
Copper Cu	1 µg/L	grab	<1µg/L	ICP MS
Iron Fe	192 µg/L	grab	<2µg/L	ICP MS
Lead Pb	<1 µg/L	grab	<1µg/L	ICP MS
Magnesium Mg	2048 µg/L	grab	<100µg/L	ICP MS
Manganese Mn	7 µg/L	grab	<1µg/L	ICP MS
Mercury Hg	<0.05 µg/L	grab	<0.05µg/L	CV AA

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Surface Water Quality (Sheet 2 of 2) SW2

Parameter	Results (mg/l)	Sampling method (grab, drift etc.)	Normal Analytical Range	Analysis method / technique
	14/03/07			
Nickel Ni	2 µg/L	grab	<1µg/L	ICP MS
Potassium K	1.5 mg/L	grab	<0.2mg/L	Flame Photo
Sodium Na	9.5 mg/L	grab	<0.2mg/L	Flame Photo
Sulphate SO <sub>4</sub>	5 mg/L	grab	<3mg/L	KONE
Zinc Zn	27 µg/L	grab	<1µg/L	ICP MS
Total alkalinity (as CaCO <sub>3</sub> )	33 mg/L	grab	<1mg/L	Titration
Total organic carbon TOC	2 mg/L	grab	<2 mg/L	IR
Total oxidised nitrogen TON	2.2	grab	<0.3mg/L	Kone
Nitrite NO <sub>2</sub>	<0.05 mg/L	grab	<0.5mg/L	Kone
Nitrate NO <sub>3</sub>	9.6 mg/L	grab	<0.3mg/L	Kone
Faecal coliforms (/100mls)	<1	grab		MT C121
Total coliforms (/100mls)	816	grab		MT C121
Phosphate PO <sub>4</sub>	0.06 mg/L	grab	<0.03mg/L	Kone

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WASTE Application Form

Table I.4(i) GROUNDWATER QUALITY

(Sheet 1 of 2) Monitoring Point/ Grid Reference: not applicable

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 <sub>4</sub> -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) not applicable

Parameter	Results (mg/l)				Sampling method (composite, dipper etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
Phosphate PO <sub>4</sub>							
Sulphate SO <sub>4</sub>							
Zinc Zn							
Total alkalinity (as CaCO <sub>3</sub> )							
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 <sub>2</sub>							
Nitrate NO <sub>3</sub>							
Faecal coliforms (/100mls)							
Total coliforms (/100mls)							
Water level (m OD)							

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**Table I.6(i) Ambient Noise Assessment**

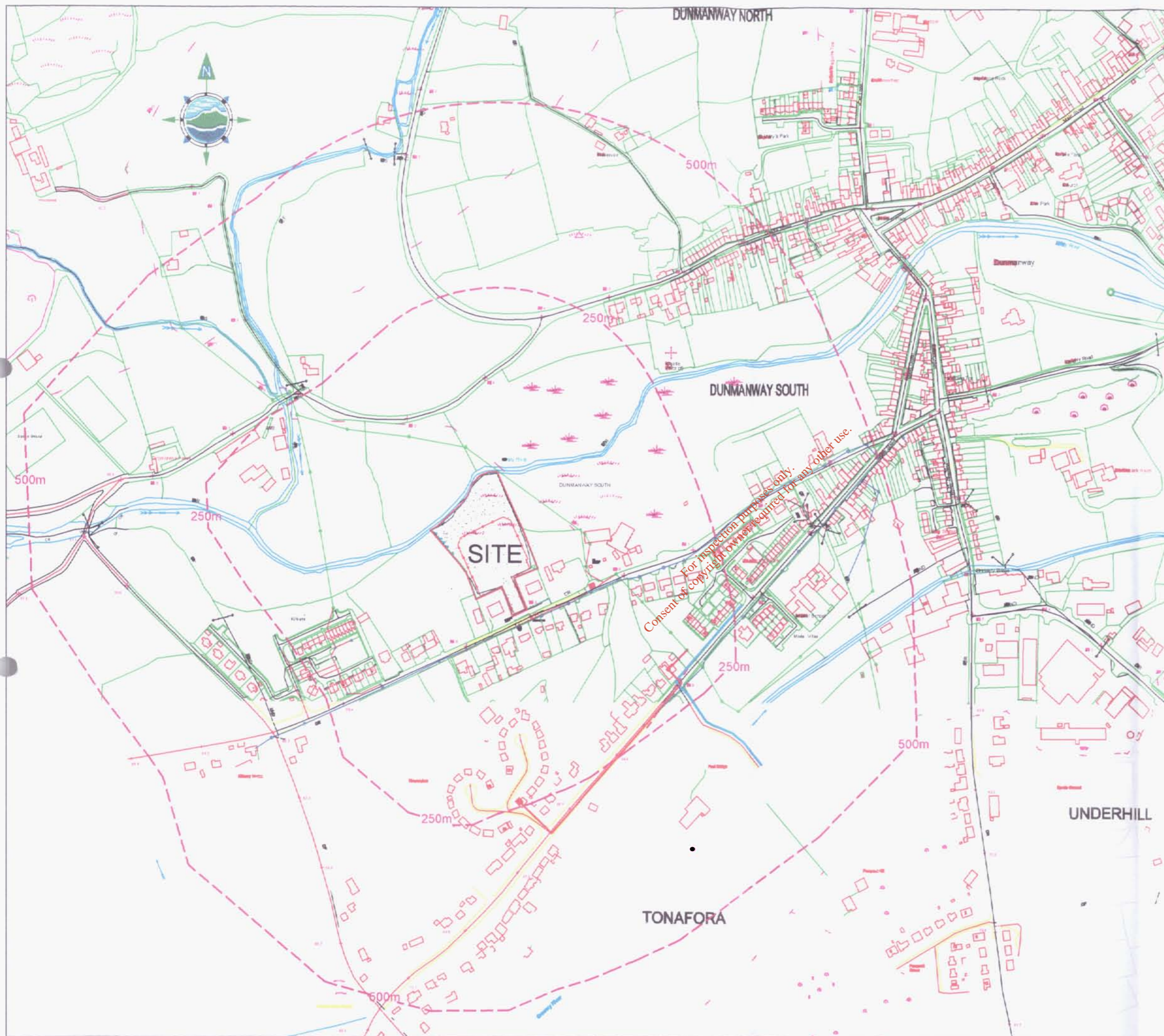
*Third Octave analysis for noise emissions should be used to determine tonal noises*

	National Grid Reference	Sound Pressure Levels		
	(5N, 5E)	L(A) <sub>eq</sub>	L(A) <sub>10</sub>	L(A) <sub>90</sub>
<b>1. SITE BOUNDARY</b>				
Location 1: N1	E22446, N52227	47.7	49.1	37.2
Location 2: N2	E22523, N52281	43.6	46.0	35.1
Location 3: N3	E22512, N52156	51.3	51.4	35.9
Location 4: N5	E22566, N52184	55.4	58.2	43.0
<b>2. NOISE SENSITIVE LOCATIONS</b>				
Location 1: N3	E22512, N52156	51.3	51.4	35.9
Location 2: N6	E22587, N52134	62.6	61.9	38.7
Location 3:				
Location 4:				

NOTE: All locations should be identified on accompanying drawings.

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- ### LEGEND
- ESB UNDERGROUND CABLE ROUTES
  - ESB L.V. OVERHEAD LINES
  - ESB M.V. OVERHEAD LINES
  - TELEPHONE OVERHEAD LINES
  - - - 250m FROM BOUNDARY
  - - - 500m FROM BOUNDARY
  - LICENCED BOUNDARY
  - LAND OWNERSHIP BOUNDARY

SERVICES WITHIN THE LICENCED BOUNDARY ARE SHOWN ON DRAWINGS 2528-2634 A & 2528-2635 A

- ### NOTES
1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING
  2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE
  3. ENGINEER TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES


No.	Date	Description	By	Check
1				
2				
3				

Client: **CORK COUNTY COUNCIL**

Project: **WEST CORK WASTE MANAGEMENT FACILITIES**  
**WASTE LICENCE APPLICATION**

Title: **DUNMANWAY SITE**  
**LOCATION MAP & SERVICES**  
**PLAN WITHIN 500m OF SITE**

Scale @ A3:	1:1000	
Prepared by:	Checked:	Date:
A.K	O.D.	JUNE 07
Project Director:	B. DOWNES	



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www.tobin.ie

Drawing No.: **2528 - 2632**      Revision: **A**

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Sally River

SALLY RIVER

RESIDUAL WASTE BIN STORAGE

SKIP COLLECTION AREA

SKIPS

PUBLIC CIRCULATION ROUTE

RAMP DOWN

CONTROL BUILDING

REUSEABLE MATERIALS BUILDING

SITE ENTRANCE

CASH ROOM

SKIP COLLECTION AREA

COMPACTOR BUILDING

RAMP UP

DOMESTIC HAZARDOUS WASTE UNIT

WEIGHBRIDGE

CR

SITE NOTICE

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DUNMANWAY SOUTH

- LEGEND**
- ASPHALT CIRCULATION AREA
  - COLOURED ASPHALT STOPPING ZONE
  - CONCRETE HARDSTAND
  - BUILDINGS
  - RETAINING WALL
  - TRUCK CIRCULATION ROUTE
  - PUBLIC CIRCULATION ROUTE
  - PROPOSED FENCING
  - SITE BOUNDARY
  - GRASS

- NOTES**
1. DIMENSIONS O.W.V. TO BE TAKEN FROM THIS DRAWING
  2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE
  3. ENGINEER TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES

NO.	DATE	DESCRIPTION	BY	CHKD.
1	06/06/07	WASTE LICENCE APPLICATION	AK	CS
2	06/06/07	WASTE LICENCE APPLICATION	AK	CS

Client: CORK COUNTY COUNCIL

Project: WEST CORK WASTE MANAGEMENT FACILITIES WASTE LICENCE APPLICATION DUNMANWAY SITE

Site: SITE LAYOUT PLAN

Scale @ A3: 1:1000

Prepared by: A.K. Checked: C.D. Date: JUNE 07

Project Director: B. DONOVAN

**TOBIN**  
Tobin Consulting Engineers,  
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e-mail: info@tobin.ie  
www.tobin.ie

Drawing No: 2528 - 2633

Revision: A



## Attachment B: General

### Contents

<b>Subsection</b>	<b>Title</b>	<b>Page no.</b>
B.1	Applicant's Details	B-2
B.2	Site Location Map	B-2
B.3	Planning Authority	B-2
B.4	Sanitary Authority	B-2
B.5	Other Authorities	B-2
B.6	Notices and Advertisements	B-2
B.7.1	Type of Waste Activity	B-3
B.7.2	Maximum Annual Tonnage	B-3
B.7.3	Fees	B-3
B.7.4	Type of Landfill	B-4
B.8	SEVESO II Regulations	B-4

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## Attachment B.1: Applicant's Details

The Site Ownership Plan (Drawing no. 2528-2631 A) is attached. The area outlined in blue demonstrates the nature of the ownership of the land.

## Attachment B.2: Location of the Activity

### Attachment B.2.1:

The Site layout Plan (Drawing no. 2528-2633 A) is attached. The area outlined in red clearly identifies the boundaries of the activity.

### Attachment B.2.2:

The Location Map & Services Plan within 500m of Site (Drawing no. 2528-2632 A) is attached. This includes relevant details to within 500 metres of the site boundary

### Attachment B.2.3:

The Location Map & Services Plan within 500m of Site (Drawing no. 2528-2632 A) is attached. This includes details of all underground services, existing and planned, within 250 metres of the site boundary. The Site Layout Plan showing Services (Sheets 1 & 2 of 2) (Drawing nos. 2528-2634 A & 2635 A) are attached. These drawings include details of all underground and overhead services, existing and proposed within the site.

## Attachment B.3: Planning Authority

Planning permission was not required for this facility because the Applicant, Cork County Council, is the relevant Planning Authority and the site is within the Planning Authority jurisdiction. Part of the site is currently operating as a bring site and the development of the Civic Amenity Facility is in accordance with Planning objectives.

## Attachment B.4: Sanitary Authority

Foul sewage from the activities onsite (approximately 540 L/day) will be discharged into the public foul sewer adjacent to the proposed site on the Kilbarry Road for treatment at Dunmanway Waste Water Treatment Plant. A letter from Dunmanway Area Engineer is attached confirming the permission to discharge 540l/day to the foul sewer shown on drawing 2528-2634.

## Attachment B.5: Other Authorities

Not applicable

## Attachment B.6: Notices and Advertisements

- The text of the site notice is attached and its location is shown on Drawing 2528-2631 A.
- The newspaper advertisement from the Irish Examiner dated 29<sup>th</sup> June 2007 is also attached.

## Attachment B.7.1: Type of Waste Activity

### THIRD SCHEDULE: Waste Disposal Activities

Class 12: Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.

*This activity relates to the deposition of waste into containers for disposal at another licensed waste facility*

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

*Waste will be temporarily stored on site in containers prior to disposal off site at a licensed facility*

### FOURTH SCHEDULE: Waste Recovery Activities

Class 2: Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes)

*Green waste, paper, timber and cardboard will be accepted at the facility for processing at another licensed facility*

Class 3: Recycling or reclamation of metals and metal compounds

*Food cans, aluminium cans and scrap metals will be accepted at the facility*

Class 4: Recycling or reclamation of other inorganic materials

*This facility will accept a range of inorganic materials for recycling/ recovery*

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

*This will be the Principal Activity at the site. Recyclable materials will be temporarily stored on site prior to transfer to licensed recycling facilities.*

## Attachment B.7.2: Maximum Annual Tonnage

It is estimated that approximately 2,300 tonnes of waste will be handled onsite in 2008. Even though the site does not have a finite lifespan, a design life of 25 years can be estimated and assuming that intake increases by 3% per year the maximum annual tonnage handled at the Civic Amenity Facility will be approximately 5,000 tonnes per annum by 2033.

## Attachment B.7.3: Fees

The class of activities 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. The fees are as follows:

**Waste Activity 3.3:** The disposal of waste (other than hazardous waste) at a facility (other than a landfill facility) where the annual intake is less than 25,000 tonnes.

**Fee:** €10,000

**Waste Activity 4:** The recovery of waste.

**Fee:** €10,000

These Fees have been sent by electronic funds transfer ( ref. PB 1013446) to the EPA.



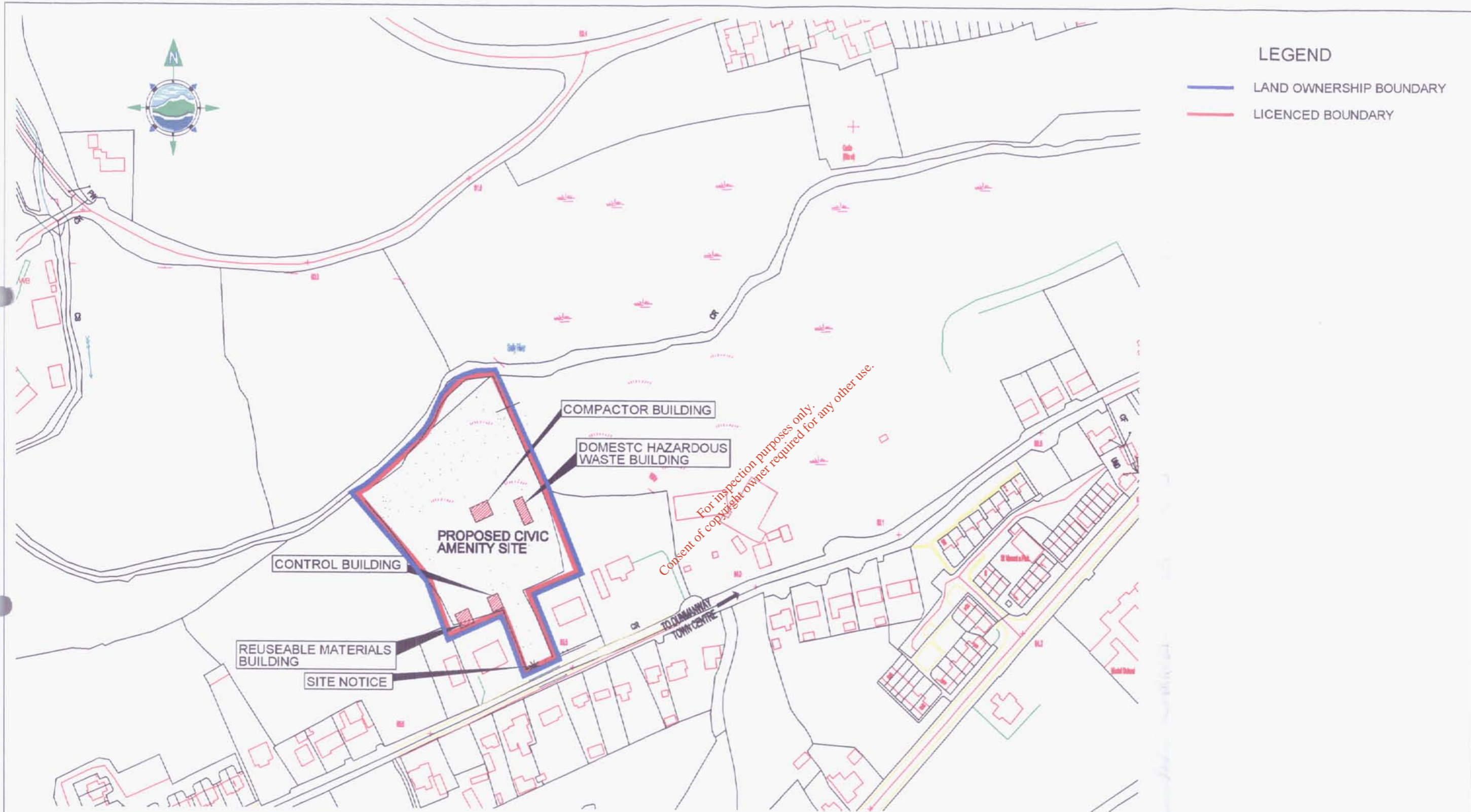
**Attachment B.7.4: Landfill Application**

Not applicable

**Attachment B.8: SEVESO II Directive**

The activity is not for the purpose of an establishment to which the European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations 2000 (SI No. 476 of 2000) apply.

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- NOTES**
1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING
  2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE
  3. ENGINEER TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES

Issue	Date	Description	By	Chkd.
A	JUNE '07	WASTE LICENCE APPLICATION	JO'B	OD

Client: **CORK COUNTY COUNCIL**

Project: **WEST CORK WASTE MANAGEMENT FACILITIES**

Title: **WASTE LICENCE APPLICATION SITE OWNERSHIP PLAN**

Prepared by: **JO'B**

Checked: **OD**

Date: **JUNE '07**

Project Director: **B.DOWNNES**

Scale @ A3: **1:2,500**



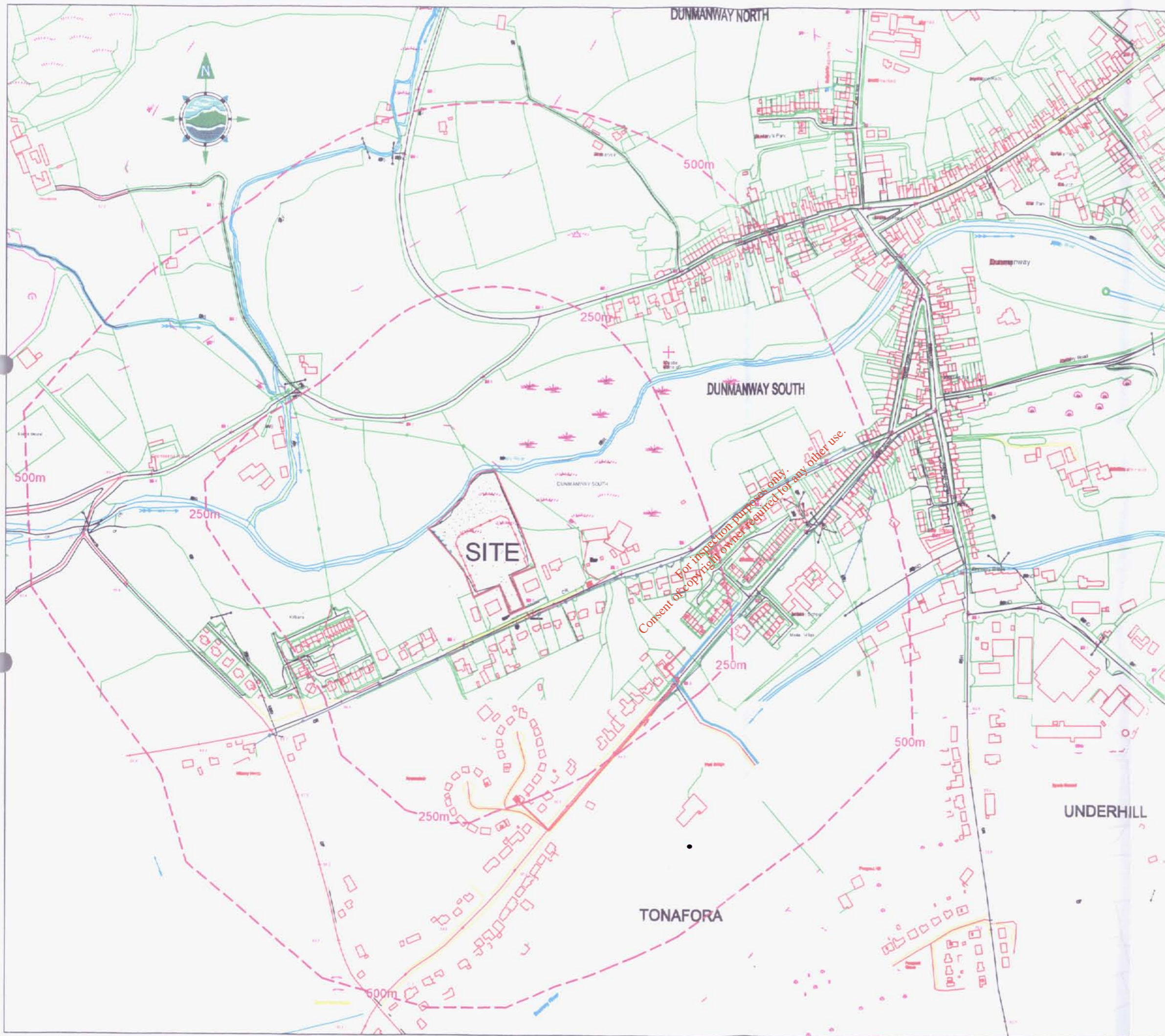
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Drawing No.: **2528-2631**

Issue: **A**





**LEGEND**

- ESB UNDERGROUND CABLE ROUTES
- ESB L.V. OVERHEAD LINES
- ESB M.V. OVERHEAD LINES
- TELEPHONE OVERHEAD LINES
- - - 250m FROM BOUNDARY
- - - 500m FROM BOUNDARY
- LICENCED BOUNDARY
- LAND OWNERSHIP BOUNDARY

SERVICES WITHIN THE LICENCED BOUNDARY ARE SHOWN ON DRAWINGS 2528-2634 A & 2528-2635 A

**NOTES**

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING
2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE
3. ENGINEER TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES

Rev.	Date	Description	By	Check
A	JUNE 07	WASTE LICENCE APPLICATION	AK	OD

Client: **CORK COUNTY COUNCIL**

Project: **WEST CORK WASTE MANAGEMENT FACILITIES**  
**WASTE LICENCE APPLICATION**

Title: **DUNMANWAY SITE LOCATION MAP & SERVICES PLAN WITHIN 500m OF SITE**

Scale @ A3:	1:1000	
Prepared by:	Checked:	Date:
A.K.	O.D.	JUNE 07
Project Director:	B. DOWNES	

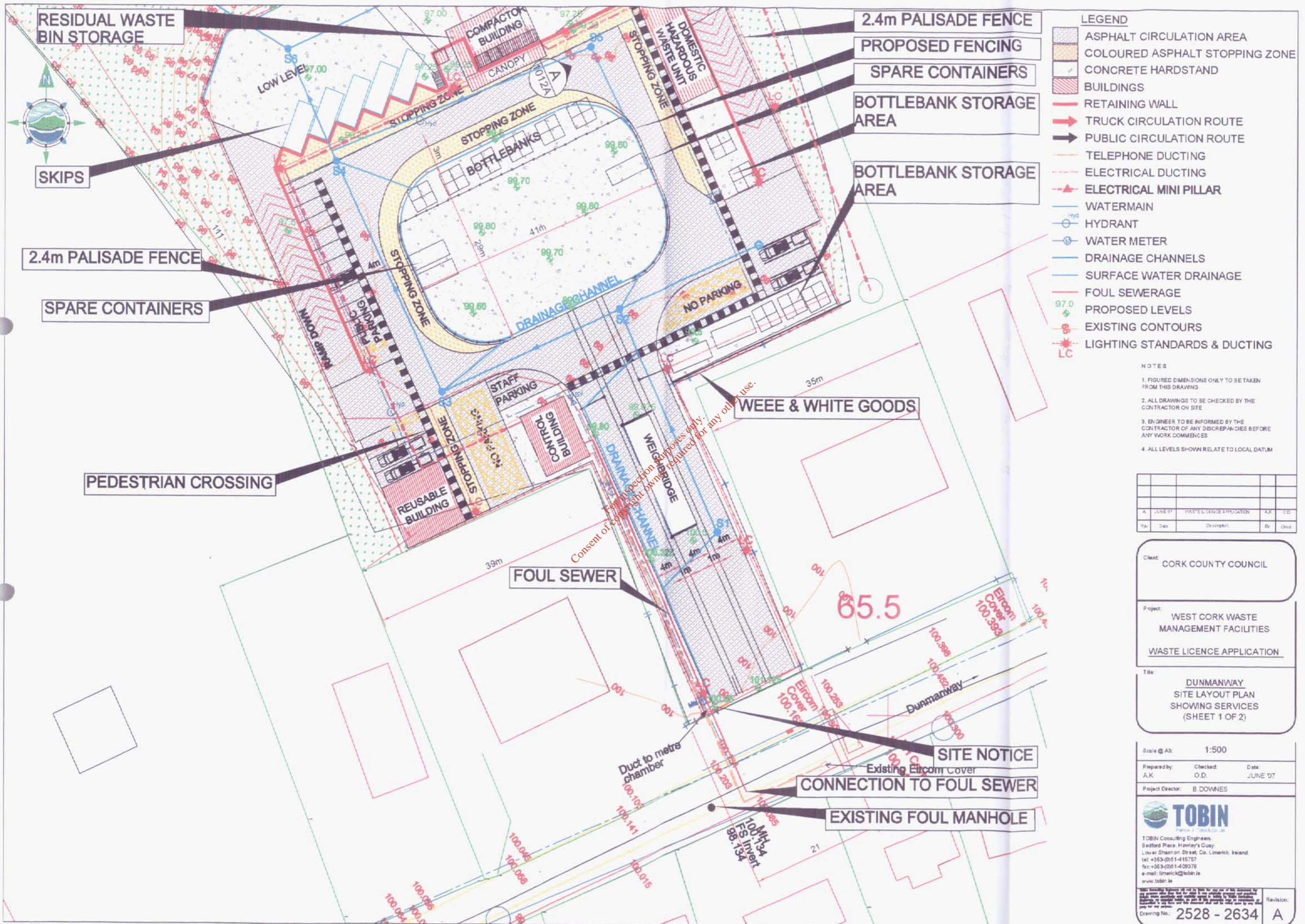
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Drawing No.: **2528 - 2632**      Revision: **A**

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- LEGEND**
- ASPHALT CIRCULATION AREA
  - COLOURED ASPHALT STOPPING ZONE
  - CONCRETE HARDSTAND
  - BUILDINGS
  - RETAINING WALL
  - TRUCK CIRCULATION ROUTE
  - PUBLIC CIRCULATION ROUTE
  - TELEPHONE DUCTING
  - ELECTRICAL DUCTING
  - ELECTRICAL MINI PILLAR
  - WATERMAIN
  - HYDRANT
  - WATER METER
  - DRAINAGE CHANNELS
  - SURFACE WATER DRAINAGE
  - FOUL SEWERAGE
  - PROPOSED LEVELS
  - EXISTING CONTOURS
  - LIGHTING STANDARDS & DUCTING

- NOTES**
1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING
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  3. ENGINEER TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES
  4. ALL LEVELS SHOWN RELATE TO LOCAL DATUM

No.	Date	Description	By	Check
A	JUNE 07	WASTE LICENCE APPLICATION	A.K.	O.D.

**Client:** CORK COUNTY COUNCIL

**Project:** WEST CORK WASTE MANAGEMENT FACILITIES  
WASTE LICENCE APPLICATION

**Title:** DUNMANWAY SITE LAYOUT PLAN SHOWING SERVICES (SHEET 1 OF 2)

**Scale @ A3:** 1:500

**Prepared by:** A.K.      **Checked:** O.D.      **Date:** JUNE '07

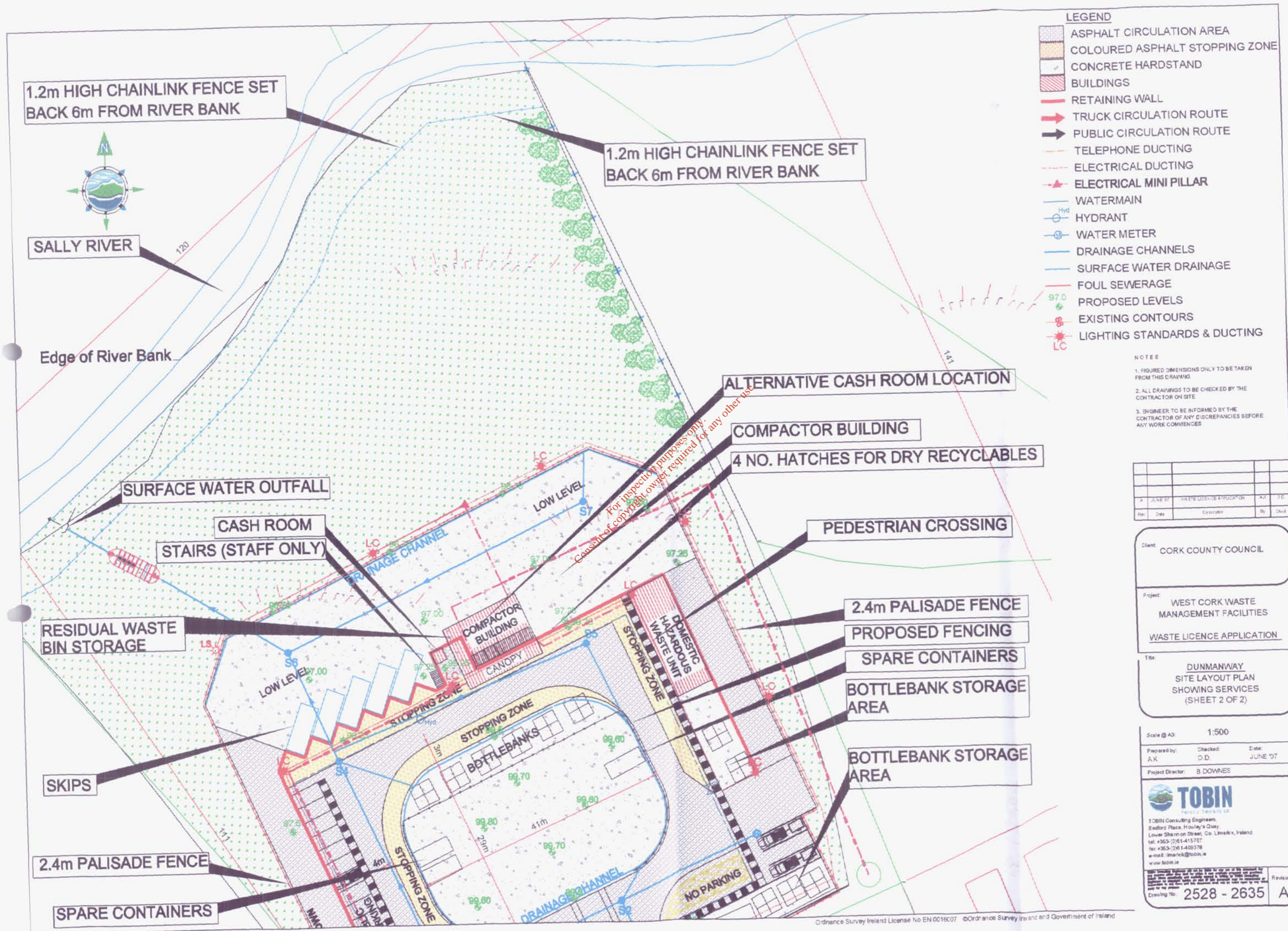
**Project Director:** B. DOWNES

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www.tobin.ie

Drawing No.: 2528 - 2634      Revision: A





- LEGEND**
- ASPHALT CIRCULATION AREA
  - COLOURED ASPHALT STOPPING ZONE
  - CONCRETE HARDSTAND
  - BUILDINGS
  - RETAINING WALL
  - TRUCK CIRCULATION ROUTE
  - PUBLIC CIRCULATION ROUTE
  - TELEPHONE DUCTING
  - ELECTRICAL DUCTING
  - ELECTRICAL MINI PILLAR
  - WATERMAIN
  - HYDRANT
  - WATER METER
  - DRAINAGE CHANNELS
  - SURFACE WATER DRAINAGE
  - FOUL SEWERAGE
  - PROPOSED LEVELS
  - EXISTING CONTOURS
  - LIGHTING STANDARDS & DUCTING

- NOTES**
1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING
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Rev	Date	Created by	Checked by
A	JUNE 07	WASTE LICENCE APPLICATION	AK

Client: CORK COUNTY COUNCIL

Project: WEST CORK WASTE MANAGEMENT FACILITIES  
WASTE LICENCE APPLICATION

Title: DUNMANWAY SITE LAYOUT PLAN SHOWING SERVICES (SHEET 2 OF 2)

Scale @ A3: 1:500

Prepared by: A.K.      Checked: O.D.      Date: JUNE '07

Project Director: B. DOWNES

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www.tobin.ie

Drawing No: 2528 - 2635      Revision: A



# Comhairle Contae Chorcaí

## Cork County Council

Mr. John O'Brien,  
TOBIN Consulting Engineers  
Bedford Place, Howley's Quay,  
Lower Shannon Street,  
Limerick.

28 May 2007

Area Engineer's Office,  
Quarry Road,  
Dunmanway,  
Co. Cork.

Tel: (023)45209 • Fax: (023)45703  
Web: www.corkcoco.ie

Oifig an Innealtóra Ceantair,  
Bóthair an Chairéil,  
Dún Mánmhaí,  
Co. Chorcaí.

Fón: (023)45209 • Faics: (023)45703  
Suíomh Gréasáin: www.corkcoco.ie



### Re: West Cork Waste Management Facilities, Waste Licence Applications - Foul & Storm Water Proposals

I refer to your proposals for disposal of Foul and Surface Water from the proposed Waste Management facility at Kilbarry Road, Dunmanway. The proposals are as follows:

#### **Dunmanway -**


Foul Emissions: 540 l/day foul sewage to discharge to public foul sewer (Manhole in public road outside site boundary).

Storm Water: 0.68Ha of impermeable area within the site. Max run off from the site (15 min storm duration) to stream = 25 l/s.

All Storm Water collected on site will pass through a full retention separator (Oil Interceptor) prior to being discharged to adjoining boundary river.

I confirm that these proposals are acceptable.

Yours Sincerely,

  
Kevin Morey  
Senior Executive Engineer

TOBIN CONSULTING ENGINEERS		
PROJECT NO:	2628	
FILE REF:		
30 MAY 2007		
PASS TO	ACTION BY	DATE
JOB		



Recycled



Disgould Village to Ballyedmond Bridge - a distance of

ing operations. The Road Works Speed Limit shall be 50 km/h from 12th June to Thursday, 12th July, 2007 inclusive, or until cancelled by Cork County Council.

made in writing to:

Rural.

Exercise of the powers vested in them under Section 10 of the Road Safety Act 1967, Cork County Council have made a decision in respect of the following roads:

**Road - KILBROGAN**  
Road Works Speed Limit shall be 50 km/h and will apply from 12th June to Thursday, 12th July, 2007 inclusive, or until cancelled by Cork County Council.

made in writing to:

Rural.

**Road - CARRIGALINE**

Exercise of the powers vested in them under Section 10 of the Road Safety Act 1967, Cork County Council have made a decision in respect of the following roads:

**Road - CARRIGALINE**  
Road Works Speed Limit shall be 50 km/h and will apply from 12th June to Thursday, 12th July, 2007 inclusive, or until cancelled by Cork County Council.

**Hinterland, County Hall, Cork.**

Road

Exercise of the powers vested in them under Section 10 of the Road Safety Act 1967, Cork County Council have made a decision in respect of the following roads:

**Road - CURRAHEEN ROAD**

Road

**Hinterland,**

**FOR A WASTE LICENCE**

Notice is hereby given that, in accordance with the provisions of the Waste Management Act 1996 and the Waste Management (Licensing) Regulations 2004 (SI No. 395 of 2004), that Cork County Council, having its principal offices in County Hall, Carrigrohane Road, Cork, will apply to the Environmental Protection Agency, P.O. Box 3000, Johnstown Castle, Co. Wexford, for a Waste Licence Application in respect of Dunmanway Civic Amenity Facility, Kilbarry Road, Dunmanway, Co. Cork.

The National Grid Reference for the site is: E122550, N052200

It is proposed to construct a Civic Amenity Facility at the site which will allow the general public to deposit 4,500 tonnes per annum of recyclable materials and to dispose of 500 tonnes per annum of household mixed waste.

The Classes of Activity to be Licensed are outlined below in accordance with the Third and Fourth Schedules of the Waste Management Acts 1996 to 2003.

**THIRD SCHEDULE Waste Disposal Activities**

Class of Activity	Details
Class 12	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule. <i>This activity relates to the deposition of waste into containers for disposal at another licensed waste facility.</i>
Class 13	Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced. <i>Waste will be temporarily stored on site in containers prior to disposal off-site at a licensed facility.</i>

**FOURTH SCHEDULE Waste Recovery Activity**

Class of Activity	Details
Class 2	Recycling or reclamation of organic substances, which are not used as solvents (including composting and other biological processes). <i>Green waste, paper, timber and cardboard will be accepted at the facility for processing at another licensed facility.</i>
Class 3	Recycling or reclamation of metals and metal compounds. <i>Food cans, aluminium cans and scrap metals will be accepted at the facility.</i>
Class 4	Recycling or reclamation of other inorganic materials. <i>The facility will accept a range of inorganic materials for recycling/recovery.</i>
Class 13	Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced. <i>This will be the Principal Activity at the site. Recyclable materials will be temporarily stored on site prior to transfer to licensed recycling facilities.</i>

A copy of the application for the Waste Licence, and any such further information relating to the application, as may be furnished to the Environmental Protection Agency in the course of the Agency's considerations of the application, will, as soon as is practicable after receipt by the Agency, be available for inspection or purchase at the headquarters of the Environmental Protection Agency and at the offices of Cork County Council, Western Division, Hume House, Wolfe Tone Street, Clonakilty, Co. Cork.

Jerome C. O'Sullivan,  
Senior Executive Officer.

**CORK COUNTY COUNCIL**  
TAE CHORCAI

**ROADS**

Section 75 of the Road Safety Act 1967, Cork County Council have made a decision in respect of the following roads:

**Road - CURRAHEEN ROAD**  
Road Works Speed Limit shall be 50 km/h and will apply from 12th June to Thursday, 12th July, 2007 inclusive, or until cancelled by Cork County Council.

made in writing to:

Road junction of Curraheen Road, Curraheen Road, Curraheen, Co. Cork.

Road

made in writing to:



**COMHAIRLE CATHRACH CHORCAI**  
CORK CITY COUNCIL

**NOTICE UNDER PART 8 (ARTICLE 81) LOCAL GOVERNMENT (PLANNING & DEVELOPMENT) REGULATIONS 2001**

Cork City Council propose to construct an extension to Leisureworld Centre, Rossa Avenue, Bishopstown, Cork incorporating enlargement of gymnasium and administration facilities.

Plans and particulars of the proposed extension will be available for inspection during office hours at Cork City Council, Recreation, Amenity & Culture Directorate, City Hall, Cork, from 9.00 a.m. to 5.00 p.m. until Friday, 27th day of July, 2007.

Submissions or observations with respect to the proposed development dealing with the proper planning and development of the area may be made in writing to the Administrative Officer, Recreation, Amenity & Culture Directorate, City Hall, Cork, before 4.00 p.m. on the 10th August, 2007.

JOHN DROMEY  
DIRECTOR OF SERVICES  
RECREATION, AMENITY & CULTURE

Date: 29th June, 2007



**Environmental Protection Agency Acts 1992 and 2003.**

**Notice under Article 18(5)(a) of the EPA (Licensing) Regulations 1994 to 2004.**

The Agency sought additional information in relation to an application, for an IPPC licence made by Johnson & Johnson Vision Care (Ireland) Limited trading as Vistakon Ireland; for their facility located at National Technology Park, Limerick, Reg. No: P0818-01. Consequently, the set period for the issuing of the proposed determination of the application is, in accordance with the provisions of Article 18(1) of the EPA (Licensing) Regulations 1994 to 2004, extended to 15 August 2007. For further information contact EPA Headquarters, P.O. Box 3000, Johnstown Castle Estate, Co. Wexford (Tel:053-9160600).

**APPLICATION TO DUBLIN CITY COUNCIL FOR A WASTE COLLECTION PERMIT relating to activities in Dublin City, Fingal, South Dublin and Dun Laoghaire Rathdown County Council areas**

I, David Burlingham, Hunters-town, Ardee, Co. Louth, will be making an application to Dublin City Council within two weeks from the date of this notice for a Waste Collection Permit to collect wooden pallets in Dublin City, Fingal, South Dublin and Dun Laoghaire Rathdown County Council areas.

A copy of this application will, as soon as is practical after receipt by Dublin City Council, be available for inspection or purchase at the offices of the Waste Management Services Division, 68/71 Marrowbone Lane, Dublin 8.

Any member of the public may, within a period of six weeks after publication of the application, make a written submission to Dublin City Council in relation to this application.

**APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY  
FOR A WASTE LICENCE**

Notice is hereby given that in accordance with the provisions of the Waste Management Acts, 1996 – 2003 and the Waste Management (Licensing) Regulations 2004, (SI No. 395 of 2004) that Cork County Council, having its principal offices in County Hall, Carrigrohane Road, Cork, will apply to the Environmental Protection Agency, P.O. Box 3000, Johnstown Castle, Co. Wexford, for a Waste Licence Application in respect of Dunmanway Civic Amenity Facility, Kilbarry Road, Dunmanway, Co. Cork.

The site is located at Kilbarry Road, Dunmanway, Co. Cork.

The National Grid Reference for the site is: E122550 N052200

It is proposed to construct a Civic Amenity Facility at the site which will allow the general public to deposit 4,500 tonnes per annum of recyclable materials and to dispose of 500 tonnes per annum of household mixed waste.

The Classes of Activity to be Licensed are outlined below in accordance with the Third and Fourth Schedules of the Waste Management Acts 1996 to 2003

**THIRD SCHEDULE Waste Disposal Activities**

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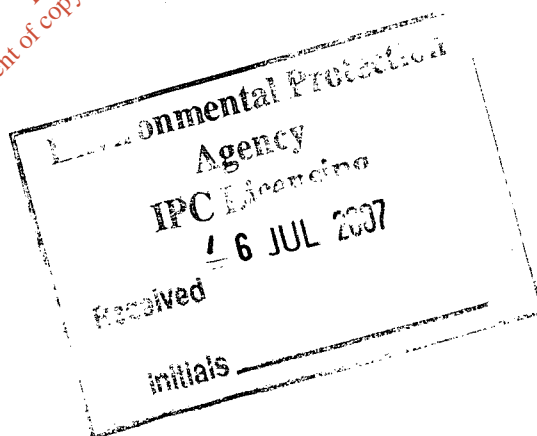
A copy of the application for the Waste Licence and any such further information relating to the application as may be furnished to the Environmental Protection Agency in the course of the Agency's considerations of the application will, as soon as is practicable after receipt by the Agency, be available for inspection or purchase at the headquarters of the Environmental Protection Agency and at the offices of Cork County Council, Western Division at Hume House, Wolfe Tone Street, Clonakilty, Co. Cork.

## Attachment C: Management of the Facility

### Contents

Subsection	Title	Page no.
C.1	Site Management	C-2
C.2	Environmental Management System	C-3
C.3	Hours of Operation	C-3
C.4	Conditioning Plan	C-3

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## Attachment C.1: Technical Competence and Site Management

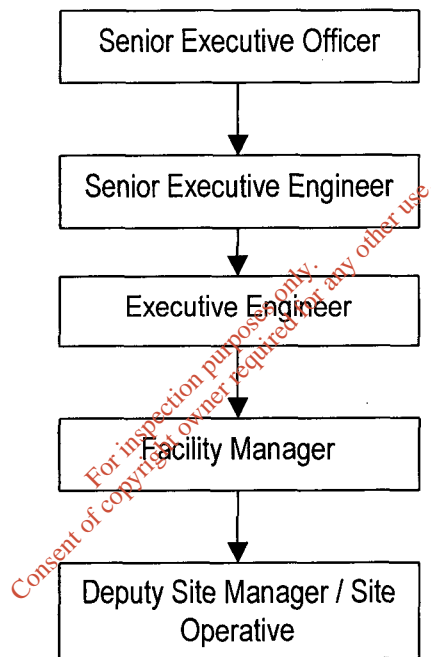
The management system in Cork County Council for the proposed Civic Amenity Facility is given below in Figure C-1. The detailed management structure will be clarified with the Agency at a later date when it has been finalised. Similarly, the exact qualifications of personnel employed at the site are not known.

The site manager and site operatives will be trained to an appropriate standard and will attend at appropriate intervals Certified Training Programmes, such as those offered by the FAS Environmental Training Unit.

Site Managers will be responsible for the day-to-day operation and supervision of each facility and will be trained in EPA waste acceptance and handling procedures, as well as the Environmental Management of the facility. The site operatives will also be responsible for operating the weighbridge and logging vehicles.

Training and awareness among facility staff will be achieved through both external and in-house training as well as through prominent posting of environmental awareness material within each site office.

Figure C-1: Organisational Chart for Civic Amenity Facility



## Attachment C.2: Environmental Management System

An Environmental Management System (EMS) has not yet been developed for the facility however Cork County Council will develop and implement an EMS in the first year of operation of the facility supported by the appropriate organisation and procedures as specified in EN ISO 14001:1996 Environmental Management Standards and the European Commission's Eco Management and Audit Scheme (EMAS).

The EMS will be based around the "Plan, Do, Check, Act" methodology as follows:

- The "Plan" part of the system will be made up of the Environmental Policy Statement, along with the environmental aspects, legal and other requirements, objectives and targets and the Environmental Management Programme;
- The "DO" part of the system will be made up of procedures relating to staff structure and responsibility, training, awareness and competence, communication, documentation and document control, operational control and emergency preparedness and response;
- The "Check" part of the system will be covered by monitoring and measurement, non-conformance and corrective and preventative actions, records and the audit system;
- The "Act" part of the system will be covered by the management review process.

Specifically, the EMS will incorporate the actions outlined below:

- Perform an environmental review
- Prepare an environmental policy
- Identify all aspects which can have an impact on the environment
- Set out objectives and targets for the protection of the environment
- Develop procedures to minimise risks to the environment
- Define roles and responsibilities for environmental management
- Train all relevant staff
- Communicate objectives and targets as well as progress, with staff and general public
- Perform a review of all aspects of the system regularly
- Establish record-keeping procedures

## Attachment C.3: Hours of Operation

- a) Proposed hours of operation:  
8.00am – 6.00pm Monday to Saturday
- b) Proposed hours of waste acceptance/handling:  
8.00am – 5.00pm Monday to Saturday
- c) Proposed hours of construction and development works:  
8.00am – 8.00pm Monday to Saturday

## Attachment C.4: Conditioning Plan

Not Applicable

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## Attachment D: Infrastructure and Operations

### Contents

Subsection	Title	Page no.
D.1	Infrastructure	D-2
D.2	Facility Operations	D-4

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## **Attachment D.1: Infrastructure**

### **Attachment D.1.a – Security**

Access to the site is from the Kilbarry road. The entrance gate will be locked outside normal office hours. The site operators will hold the keys for the gate and a copy will be held in the local Cork County Council area office. The boundary of the proposed site will consist of 2.4m high plastic coated palisade fence around the site perimeter.

### **Attachment D.1.b – Roads**

The circulation road within the site will have asphalt surfacing. All site roads are constructed on a layer of Clause 804 to designers specification on approved subgrade, a 100mm layer of Clause 903 Dense Bitumen Macadam, 55mm layer of Clause 906 Dense Bitumen Macadam and a final layer of 45mm Rolled Asphalt. A cross section of the road construction is shown on drawing 2528-2649 A.

### **Attachment D.1.c - Hardstanding areas**

The location of impermeable hardstanding is shown on Drawing No. 2528-2633 A. Public and Staff car parking will be available throughout the Public area of the civic amenity facility. All site roads will be constructed with a layer of Clause 804 to designers specification on approved subgrade, a 100mm layer of Clause 903 Dense Bitumen Macadam, 55mm layer of Clause 906 Dense Bitumen Macadam and a final layer of 45mm Rolled Asphalt. Storm water from all the hardstanding areas, an area of approximately 0.71Ha, will be drained to the surface water drainage system and discharged through an oil interceptor to the river flowing north of the site.

### **Attachment D.1.d - Weighbridge**

The weighbridge is shown on drawing No. 2528-2633 A. A surface mounted weighbridge will be used onsite to weigh all vehicles entering and leaving the site to record the volumes of waste. The weighbridge platform will measure 18m x 3.5m and will have 3m approach and exit ramps. It is expected to have a capacity of 60 tonnes.

### **Attachment D.1.e - Wheel cleaner**

There will be no wheel cleaner onsite

### **Attachment D.1.f - Laboratory facilities**

There will be no laboratory facilities onsite.

### **Attachment D.1.g - Fuel storage**

There will be no fuel storage facilities on site.

### **Attachment D.1.h - Waste quarantine area**

There will be no waste quarantine area onsite.

### **Attachment D.1.i - Waste inspection areas**

Waste will only be delivered to the site in bags by members of the public and site staff will check the waste before accepting it. All household waste will have to be weighed and paid for accordingly.

### **Attachment D.1.j - Traffic control**

All licensed vehicles entering the site will be weighed at the weighbridge. Their weight will be recorded on entry before proceeding to the relevant area for collection of waste or recyclables. Once loaded, the vehicle will be weighed at the weighbridge again and their weight will be recorded. Movement of all vehicles over the weighbridge and through the non-weighbridge area will be controlled using electric traffic control barriers operated from the site office building.

Private vehicles disposing of waste or recyclables will not be weighed. Delivery of recyclables will be free of charge while delivery of non-recyclable waste will be charged by weight at the scales adjacent to the cash room.

All public traffic on the site will move in a one-way system, which will be clearly marked as seen on Drawing No. 2528-2633 A. Adequate parking for staff and visitors will be provided throughout the site.

#### **Attachment D.1.k – Services**

Three-phase electricity supply will be provided to power the compactor equipment. The main isolator and fuse box will be located in the Compactor Building.

A mains water supply pipe passes along the Kilbarry Road. A 100mm diameter tapping will be taken from the main and into the site to supply the site buildings, fire hydrants and a number of hose points.

Three telephone lines will be connected to the site office. One line will serve a phone; another a fax and the third will serve the modem and security alarm monitoring system.

#### **Attachment D.1.l - Sewerage and surface water drainage infrastructure**

All the surface water from the impermeable surfaces (0.71 Ha) onsite will pass through a full retention separator (Oil Interceptor) prior to being discharged to the river flowing to the north of the site. Foul sewage from the activities onsite (approximately 540 L/day) will be discharged into the public foul sewer and from there will discharge to Dunmanway WWTP for treatment.

#### **Attachment D.1.m - Plant sheds and garages**

The compactor will be located in the Compactor Building. Bunded containers will be installed in the Domestic Hazardous Waste Building. This structure will be of steel portal-frame construction with a pitched roof.

The Reuseable Materials Building will house furniture etc for reuse.

#### **Attachment D.1.n - Site accommodation and compounds**

The proposed office and control building and the storeroom for the site will be a domestic type construction of cavity wall on raft foundation, with insulated roof cover. The building will contain a desk, shelving and reception counter, a kitchenette, storage cupboards, staff and disabled WCs and staff shower room.

#### **Attachment D.1.o - Fire control system**

Fires are prohibited onsite. An emergency response plan is in place in case of a fire (see Attachment J). A 100mm extension from the water mains located on the Kilbarry allows for the provision of fire hydrants onsite (see Drawing no. 2528-2634 A and 2528-2635 A).

### Attachment D.1.p - Civic Amenity Facility

The proposed Civic Amenity Facility on the site will consist of a number of receptacles for the deposit of recyclable waste and an area for the disposal of bags of household municipal waste (see Drawing No. 2528-2633 A). The recyclable waste accepted onsite will consist of:

- Paper and cardboard waste
- Tetrapaks
- Textiles
- Scrap Metals
- Timber
- Furniture
- Household construction and demolition
- Garden waste
- Electronic and electrical waste
- White goods
- Drink and Food cans
- Glass bottles and jars
- Aluminium cans
- Plastics

Domestic Hazardous waste will also be accepted onsite and will include the following:

- Edible oils and fats
- Hydraulic oils
- Engine, gear and lubricating oils
- Oil containers
- Oil filters
- Batteries
- Paints, inks
- Pesticides
- Solvents
- Fluorescent tubes
- Household gas cylinders

All recyclable materials transported to the site by the public will be disposed of free of charge. The public will separate all the waste into the appropriate containers. These will then be collected by licensed carriers for recovery. A split-level concrete wall will allow for easy deposit of the bulky materials and will also allow for the collection of these materials stored in roll-on/roll-off containers.

The municipal waste disposed of onsite will be charged by weight. All municipal solid waste will be collected on site and then disposed of at Clonakilty Waste Transfer Station.

### Attachment D.1.q - Details of composting

There will be no composting facilities onsite.

### Attachment D.1.r - Description of Incineration infrastructure

There will be no incineration infrastructure onsite.

### Attachment D.1.s - Details of any other infrastructure proposed

There will be no other infrastructure proposed on site.

## Attachment D.2: Facility Operation

**Table D-1: Unit Operations for Municipal Solid Waste**

Activity	Location	Description of operation
Waste arrival on site	Household waste arear	Waste delivered by public
Waste Processing	Scales/cash room/ chute	Waste weighed and paid for and put into waste chute
Collection of waste	Containers	Waste collected by Council Trucks
Transfer of waste off site	Weighbridge	Waste sent to Clonakilty Transfer Station for disposal

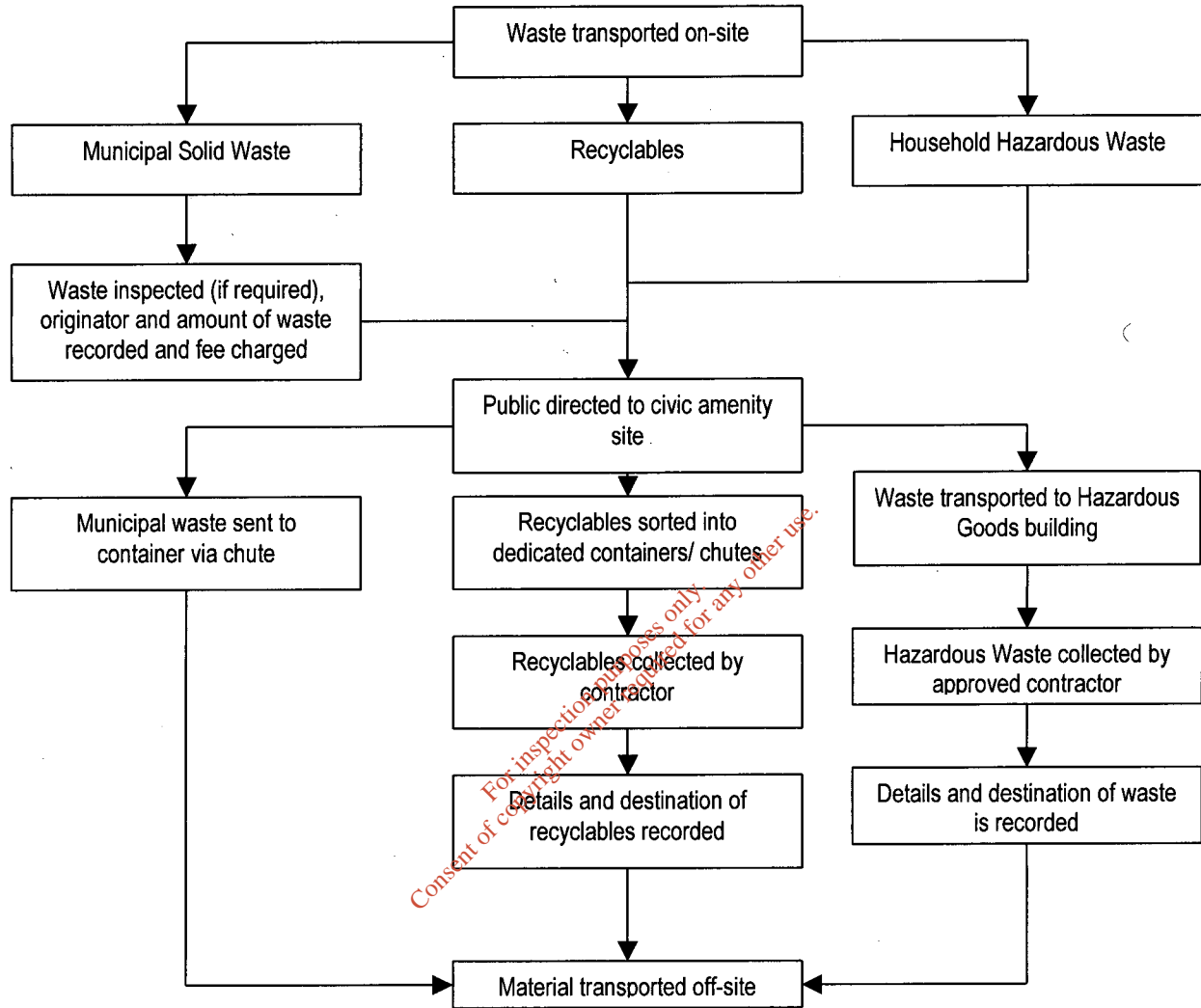
**Table D-2: Unit Operations for Household Recyclables**

Activity	Location	Description of operation
Recyclable waste arrival on site	Recycling area	Recyclable waste delivered by the public
Separation of recyclable waste	Containers	Public will separate recyclables into appropriate containers
Transfer of recyclable waste off site	Weighbridge	Recyclable waste sent to licenced waste management company

**Attachment D.2.B Process Flow Diagram**

The acceptance of waste and recyclables will be managed by the presence of site staff, who will be present on site at all times during normal operating hours. All equipment will be serviced and maintained regularly

**Figure D-1: Process Flow Diagram**



**Attachment D.2.C Emissions**

Emissions to the environment from the site will include noise, odour, dust, storm water and foul sewage however, these are unlikely to have an impact on the environment.

Noise emissions may arise from operational plant and vehicles during normal operating hours. These emissions will not have a significant impact on existing background levels.

There will not be any significant odour emission as a result of operations at the facility due to:

- Quick turn-around time for waste entering and leaving the facility
- Prevention of point source emissions

No significant dust emissions will be generated due to the nature of the facility and the road construction.

Storm water run-off from all waste handling and storage will take place on concrete hardstanding areas. Water from these areas will be collected in the surface water drainage system and will pass through a full retention separator (oil interceptor) prior to being discharged to the adjacent river.

Foul sewage from activities onsite will discharge into public foul sewer. See Attachment E for further details.

Activities occurring onsite are not likely to cause accidental emissions to the environment. All storage for liquid wastes will be fully bunded according to the Agency Guidance, "IPC Guidance Note on Storage and Transfer of Materials for Scheduled Activities". Regular monitoring of the agreed monitoring points and inspection of the overall site will be conducted. An Environmental Management system will be implemented to ensure minimal risk of environmental damage. If an incident occurs, emergency response procedures will be in place to deal with these events and all staff will be fully trained in all procedures.

**Attachment D.2.D Laboratory Facilities**

There are no laboratory facilities on this site.

**Attachment D.2.E Incineration Facilities**

There are no incineration facilities on this site.

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