Waste Licence Application Form

EPA Ref. Nº: *(Office use only)*	

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

Environmental Protection Agency
Application for a Waste Licence

WASTE MANAGEMENT ACTS 1996 to 2003

CONTENTS

INTRODUCTION

A valid application must contain the information prescribed in the Waste Management (Licensing) Regulations 2004 (SI No. 395 of 2004). **The applicant is <u>strongly</u> 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,

LOCATION	B1	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	B3	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	B4	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	B2	
CHECKED	**Applicant** ☒	**Official** ☐

(e) describe the nature of the facility or premises concerned, including the proposed capacity of the facility or premises, and in the case of application in respect of a landfill of waste, the requirements specified in Annex 1 of the Landfill Directive,

LOCATION	D	
CHECKED	**Applicant** ☒	**Official** ☐

(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	B7	
CHECKED	**Applicant** ☒	**Official** ☐

(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	H1	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	G1	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	H	
CHECKED	**Applicant** ☒	**Official** ☐

(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	L1	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	E	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	F1	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	F2	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	H4	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	H4	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	J	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	K	
CHECKED	**Applicant** ☒	**Official** ☐

(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

LOCATION	NOT APPLICABLE	
CHECKED	**Applicant** ☐	**Official** ☐

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

LOCATION	NOT APPLICABLE	
CHECKED	**Applicant** ☐	**Official** ☐

(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,

LOCATION	B8	
CHECKED	**Applicant** ☒	**Official** ☐

(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,

LOCATION	E4	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	A	
CHECKED	**Applicant** ☒	**Official** ☐

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,

LOCATION	B6	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	B6	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	B6	
CHECKED	**Applicant** ☒	**Official** ☐

(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,

LOCATION	B2	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	E	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	F	
CHECKED	**Applicant** ☒	**Official** ☐

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

INCLUDED Y/N	Y	
CHECKED	**Applicant** ☒	**Official** ☐

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.

HARDCOPIES PROVIDED Y/N	Y	
CHECKED	**Applicant** ☒	**Official** ☐

CD OF PDF FILES PROVIDED? Y/N	Y	
CHECKED	**Applicant** ☒	**Official** ☐

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.

EIA REQUIRED ? Y/N	N	
CHECKED	**Applicant** ☐	**Official** ☐
3 HARD COPIES OF EIS INCLUDED ? Y/N	N	
CHECKED	**Applicant** ☐	**Official** ☐
16 CD versions of EIS, as PDF files, PROVIDED? Y/N	N	
CHECKED	**Applicant** ☐	**Official** ☐

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**.

SECTION B GENERAL

B.1 Applicant's Details

Name*:	Miltown Composting Systems Ltd.
Address:	Miltown Composting Systems,
	Miltownmore,
	Fethard,
	Co. Tipperary
Tel:	
Fax:	
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:	Mr. Jim O'Callaghan
Address:	O'CallaghanMoran & Associates
	Granary House,
	Rutland St.,
	Cork
Tel:	021-4321521
Fax:	021-4321522
e-mail:	jim@ocallaghanmoran.com

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

Address:	Moylan Mulcahy & Company,
	Sarsfield House, Sarsfield Road,
	Wilton
	Cork
Tel:	021-4546055
Fax:	021-4546286
e-mail:	accountancy@moylanmulcahy.ie

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

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

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

Landowner	☐
Lessee	☒
Prospective Purchaser	☐
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:	Mr. David Ronan
Address:	Castleblake
	Rosegreen
	Cashel
	Co. Tipperary
Tel:	052 35353
Fax:	052 35316
e-mail:	

*Current at the time the application is submitted

B.2 Location of Activity

Name:	Miltown Composting Systems
Address*:	Miltownmore
	Fethard
	Co. Tipperary
Tel:	
Fax:	
e-mail:	ctogreenclean@hotmail.com

* Include any townland

National Grid Reference (8 digit 4E,4N)	E2158, N1334

Location maps (≤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:	South Tipperary County Council
Address:	County Hall
	Emmet Street
	Clonmel
Tel:	052-34455
Fax:	052-24355

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?

Planning Authority notified	**Yes** ☒
	No ☐

Planning Permission relating to this application:-

has been obtained	☒
is being processed	☐
is not yet applied for	☐
is not required	☐

Local Authority Planning File Reference Nº:	08/834, 04/188 and 01/357

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

B.4 Sanitary Authority

In the case of a discharge of any trade effluent or other matter (other than domestic sewage or storm water) to a sewer of a sanitary authority or other body, give the name of the sanitary authority in which the sewer is vested or by which it is controlled and the waste water treatment plant (if any) to which the sewer discharges.

Name:	NOT APPLICABLE
Address:	
Tel:	
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.

Within SFADCo. Area	**Yes** ☐	**No** ☒

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

Name:	Health Service Executive: South
Address:	Floor 2
	Aras Slainte
	Wilton Road, Cork
Tel:	021-4923603
Fax:	021-4545748

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

TABLE B.7.2 MAXIMUM ANNUAL TONNAGE

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

Maximum Annual Tonnage (tpa)	24,500
Year	2011

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 €)**
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.

NOT APPLICABLE

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

B.8 SEVESO II DIRECTIVE

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

Regulations Apply	Yes ☐	No ☒

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 Neil Barry	Facility Manager	Day to Day Management	FAS Waste Management Course completed. Cre Certificate in Compost Facility Operation Completed.
Mr Philip Maher	Assistant Manager	Day to Day Management	Cre Certificate in Compost Facility Operation Completed.

C.2 Environmental Management System

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

C.3 Hours of Operation

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

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

C.4 Conditioning Plan

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

SECTION D INFRASTRUCTURE & OPERATION

D.1 Infrastructure

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

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

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** ☒ **no** ☐ **not applicable** ☐

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

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

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	**Is there a Landfill Gas Management Plan?** **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:**		
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

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** ☒	**no** ☐	**not applicable** ☐
	Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐
Dust Control	**Control method specified**	**yes** ☒	**no** ☐	**not applicable** ☐
	Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐
Fire Control	**Control method specified**	**yes** ☒	**no** ☐	**not applicable** ☐
	Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐
Litter Control	**Control method specified**	**yes** ☒	**no** ☐	**not applicable** ☐
	Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐
Traffic Control	**Control method specified**	**yes** ☒	**no** ☐	**not applicable** ☐
	Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐
Vermin Control	**Control method specified**	**yes** ☒	**no** ☐	**not applicable** ☐
	Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐
Road Cleansing	**Control method specified**	**yes** ☒	**no** ☐	**not applicable** ☐
	Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

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** ☒	**no** ☐	**not applicable** ☐
Monitoring points identified, (plus 12-figure grid references)	**yes** ☒	**no** ☐	**not applicable** ☐
Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

F.3 Surface Water

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

Monitoring Arrangements specified	**yes** ☒	**no** ☐	**not applicable** ☐
Monitoring points identified, (plus 12-figure grid references)	**yes** ☒	**no** ☐	**not applicable** ☐
Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

F.4 Sewer Discharge

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

Monitoring Arrangements specified	**yes** ☐	**no** ☐	**not applicable** ☒
Monitoring points identified, (plus 12-figure grid references)	**yes** ☐	**no** ☐	**not applicable** ☒
Attachment included	**yes** ☐	**no** ☐	**not applicable** ☒

F.5 Groundwater

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

Monitoring Arrangements specified	**yes** ☒	**no** ☐	**not applicable** ☐
Monitoring points identified, (plus 12-figure grid references)	**yes** ☒	**no** ☐	**not applicable** ☐
Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

F.6 Noise

Monitoring Arrangements specified	**yes** ☒	**no** ☐	**not applicable** ☐
Monitoring points identified, (plus 12-figure grid references)	**yes** ☒	**no** ☐	**not applicable** ☐
Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

F.7 Meteorological Data

Monitoring Arrangements specified	**yes** ☐	**no** ☐	**not applicable** ☒
Monitoring points identified, (plus 12-figure grid references)	**yes** ☐	**no** ☐	**not applicable** ☒
Attachment included	**yes** ☐	**no** ☐	**not applicable** ☒

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

NOT APPLICABLE

F.8 Leachate

Monitoring Arrangements specified	**yes** ☐	**no** ☐	**not applicable** ☐
Monitoring points identified, (plus 12-figure grid references)	**yes** ☐	**no** ☐	**not applicable** ☐
Attachment included	**yes** ☐	**no** ☐	**not applicable** ☐

F.9 Landfill Gas

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

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

Parameter	Concentration (mg/Nm^3)	Proposed Frequency of Analysis	Information Included Y/N	Method of Analysis	Information Included Y/N
Inlet					
Methane (CH_4) % v/v					
Carbon dioxide (CO_2) %v/v					
Oxygen (O_2) % v/v					
Outlet					
Volumetric Flow Rate					
SO_2					
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_4) % v/v					
Carbon Dioxide (CO_2) % v/v					
Oxygen (O_2) % 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				

Monitoring Arrangements specified	**yes** ☐	**no** ☐	**not applicable** ☐
Monitoring points identified, (plus 12-figure grid references)	**yes** ☐	**no** ☐	**not applicable** ☐
Attachment included	**yes** ☐	**no** ☐	**not applicable** ☐

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*.

Attachment included	**yes** ☒ **no** ☐ **not applicable** ☐

G.2 Energy Efficiency

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

Attachment included	**yes** ☒ **no** ☐ **not applicable** ☐

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		24,500
Class 3			Class 3		
Class 4			Class 4		
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			Class 12		
Class 13			Class 13		24,500*

* Includes Class 2

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)
2010	24,500	0	24,500

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		7,000	
Commercial		16,000	
Sewage Sludge		1,500	
Construction and Demolition			
Industrial Non-Hazardous Sludges			
Industrial Non-Hazardous Solids			
Hazardous ***(Specify detail in Table H 1.2)**			
Inert Waste imported for restoration purposes		COMPLETE FOR LANDFILL & CONTAMINATED LAND FACILITIES ONLY	

- **TABLE H.1.2 HAZARDOUS WASTE TYPES AND QUANTITIES**

NOT APPLICABLE

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			
Oil filters			
Asbestos			
Paint and Ink			
Batteries			
Fluorescent Light Bulbs			
Contaminated Soils			
OTHER HAZARDOUS WASTE (APPLICANT TO SPECIFY)			

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^3) 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.

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 (≤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)

(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 (≤ 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.**

Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

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** ☒	**no** ☐	**not applicable** ☐

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** ☒	**no** ☐	**not applicable** ☐

L.2 Fit and Proper Person

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

- Indicate whether the applicant or other relevant person has been convicted under the Waste Management Acts 1996 to 2003, the EPA Act 1992 and 2003, the Local Government (Water Pollution) Acts 1977 and 1990 or the Air Pollution Act 1987.

- Provide details of the applicant's technical knowledge and/or qualifications, along with that of other relevant employees (Link to Section C.1 of the application).

- Provide information to show that the person is likely to be in a position to meet any financial commitments or liabilities that may have been or will be entered into or incurred in carrying on the activity to which the application relates or in consequence of ceasing to carry out that activity (Link to Section K of the application).

Supporting information should be included as **Attachment L 2** with reference to where the information can be found in the application.

Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

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 :** 08.05.09
(on behalf of the organisation)

Print signature name: David Ryan

Position in organisation : Director

Company stamp or seal:

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:

Emission Point Ref. N^{o}:	
Location :	
Grid Ref. (12 digit, 6E,6N):	
Vent Details Diameter: Height above Ground(m):	
Date of commencement of emission:	

Characteristics of Emission :

CO			mg/m^3
Total organic carbon (TOC)			mg/m^3
NOx			mg/Nm^3 0^{o}C. 3% O_2(Liquid or Gas), 6% O_2(Solid Fuel)
Maximum volume of emission			m^3/hr
Temperature		^{o}C(max) ^{o}C(min)	^{o}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

TABLE E.1(ii) MAIN EMISSIONS TO ATMOSPHERE (1 Page for each emission point)

Emission Point Ref. N^{o}:	A1
Source of Emission:	Biofilter
Location :	As shown on Drawing 3
Grid Ref. (12 digit, 6E,6N):	21570E, 13350N
Vent Details Diameter: Height above Ground(m):	
Date of commencement:	

Characteristics of Emission :

(i) Volume to be emitted:			
Average/day	m^3/d	Maximum/day	m^3/d
Maximum rate/hour	m^3/h	Min efflux velocity	$m.sec^{-1}$
(ii) Other factors			
Temperature	^{o}C(max)	^{o}C(min)	^{o}C(avg)
For Combustion Sources: Volume terms expressed as : ☐ wet. ☐ dry. _____%O_2			

(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

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

Emission Point Reference Number: _____

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

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

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

Emission point Reference Numbers	Description	Emission details[1]				Abatement system employed
		material	mg/Nm$^{3(2)}$	kg/h.	kg/year	
A1	Biofilter					

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^{o}C101.3kPa). 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:

Emission Point Ref. N^{o}:	SW1
Source of Emission:	Runoff from roofs and open yards
Location :	As shown on Drawing 3
Grid Ref. (10 digit, 5E,5N):	21568E, 13339N
Name of receiving waters:	Unnamed tributary of Moyle River
Flow rate in receiving waters:	Not Known $m^3.sec^{-1}$ Dry Weather Flow $m^3.sec^{-1}$ 95%ile flow
Available waste assimilative capacity:	NOT APPLICABLE kg/day

Emission Details:

(i) Volume to be emitted

Normal/day	m^3	Maximum/day	m^3
Maximum rate/hour	m^3		

(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

TABLE E.2(ii): EMISSIONS TO SURFACE WATERS - Characteristics of the emission (1 table per emission point)

Emission point reference number : _____

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	

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

Emission Point:

Emission Point Ref. N^{o}:	
Location of connection to sewer :	
Grid Ref. (10 digit, 5E,5N):	
Name of sewage undertaker:	

Emission Details:

(i) Volume to be emitted			
Normal/day	m^3	Maximum/day	m^3
Maximum rate/hour	m^3		

(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

TABLE E.3(ii): EMISSIONS TO SEWER - Characteristics of the emission (1 table per emission point)

Emission point reference number : _____

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	

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

Emission Point or Area:

Emission Point/Area Ref. N^{o}:	
Emission Pathway: (borehole, well, percolation area, soakaway, landspreading, etc.)	Percolation Area
Location :	As shown on Drawing 3
Grid Ref. (10 digit, 5E,5N):	
Elevation of discharge: (relative to Ordnance Datum)	
Aquifer classification for receiving groundwater body:	Pl
Groundwater vulnerability assessment (including vulnerability rating):	HL
Identity and proximity of groundwater sources at risk (wells, springs, etc):	Production Well on site
Identity and proximity of surface water bodies at risk:	

Emission Details:

(i) Volume to be emitted			
Normal/day	m^3	Maximum/day	m^3
Maximum rate/hour	m^3		

(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

Table E.5(i): NOISE EMISSIONS - Noise sources summary sheet

Source	Emission point Ref. No	Equipment Ref. No	Sound Pressure[1] dBA at reference distance	Octave bands (Hz) Sound Pressure[1] Levels dB(unweighted) per band									Impulsive or tonal qualities	Periods of Emission
				31.5	63	125	250	500	1K	2K	4K	8K		

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

TABLE F.1: ABATEMENT / TREATMENT CONTROL

Emission point reference number : _____

Control[1] parameter	Equipment [2]	Equipment maintenance	Equipment calibration	Equipment back-up
Noise	Buildings			
Dust	Buildings			
Surface water	Oil interceptor			
Odour	Biofilter			

Control[1] parameter	Monitoring to be carried out[3]	Monitoring equipment	Monitoring equipment calibration
Noise	Annually	To be Agreed	
Dust	Annually	Bergerhoff Gauges	
Surface water	Annually	Chemical analysis - Grab	
Biofilter	Annually	Draeger Tube and Pump	

[1] List the operating parameters of the treatment / abatement system which control its function.
[2] List the equipment necessary for the proper function of the abatement / treatment system.
[3] List the monitoring of the control parameter to be carried out.

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

Emission Point Reference No(s). : _____

Parameter	Monitoring frequency	Accessibility of Sampling Points

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

Monitoring Point Reference No :_____

Parameter	Monitoring frequency	Accessibility of Sampling point

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

Ref. Nº or Code	Material/ Substance[1]	CAS Number	Danger[2] Category	Amount Stored (tonnes)	Annual Usage (tonnes)	Nature of Use	R[3] - Phrase	S[3] - Phrase

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 Nº 77/94
3. c.f. Schedules 2 and 3 of SI Nº 77/94

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

Waste material	EWC Code	Main source[1]	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^3 / month			

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

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

Waste material	EWC Code	Main source[1]	Quantity		On-site recovery/disposal[2] (Method & Location)	Off-site Recovery, reuse or recycling (Method, Location & Undertaker)	Off-site Disposal (Method, Location & Undertaker)
			Tonnes / month	m^3 / month			

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

Table I.2(i) SURFACE WATER QUALITY

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

Parameter	Results (mg/l)				Sampling method[2] (grab, drift etc.)	Normal Analytical Range[2]	Analysis method / technique
	Date	Date	Date	Date			
pH							
Temperature							
Electrical conductivity EC							
Ammoniacal nitrogen NH_4-N							
Chemical oxygen demand							
Biochemical oxygen demand							
Dissolved oxygen DO							
Calcium Ca							
Cadmium Cd							
Chromium Cr							
Chloride Cl							
Copper Cu							
Iron Fe							
Lead Pb							
Magnesium Mg							
Manganese Mn							
Mercury Hg							

Surface Water Quality (Sheet 2 of 2)

Parameter	Results (mg/l)				Sampling method (grab, drift etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
Nickel Ni							
Potassium K							
Sodium Na							
Sulphate SO_4							
Zinc Zn							
Total alkalinity (as $CaCO_3$)							
Total organic carbon TOC							
Total oxidised nitrogen TON							
Nitrite NO_2							
Nitrate NO_3							
Faecal coliforms (/100mls)							
Total coliforms (/100mls)							
Phosphate PO_4							

Table I.4(i) GROUNDWATER QUALITY

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

Parameter	Results (mg/l)				Sampling method (composite etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
pH							
Temperature							
Electrical conductivity EC							
Ammoniacal nitrogen NH_4-N							
Dissolved oxygen DO							
Residue on evaporation (180^oC)							
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							

GROUNDWATER QUALITY (SHEET 2 OF 2)

Parameter	Results (mg/l)				Sampling method (composite, dipper etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
Phosphate PO_4							
Sulphate SO_4							
Zinc Zn							
Total alkalinity (as $CaCO_3$)							
Total organic carbon TOC							
Total oxidised nitrogen TON							
Arsenic As							
Barium Ba							
Boron B							
Fluoride F							
Phenol							
Phosphorus P							
Selenium Se							
Silver Ag							
Nitrite NO_2							
Nitrate NO_3							
Faecal coliforms (/100mls)							
Total coliforms (/100mls)							
Water level (m OD)							

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)	$L(A)_{eq}$	$L(A)_{10}$	$L(A)_{90}$
1. SITE BOUNDARY				
Location 1:				
Location 2:				
Location 3:				
Location 4:				
2. NOISE SENSITIVE LOCATIONS				
Location 1:				
Location 2:				
Location 3:				
Location 4:				

NOTE: All locations should be identified on accompanying drawings.

ATTACHMENT A

Non-Technical Summary

WASTE LICENCE APPLICATION

NON-TECHNICAL SUMMARY

COMPOSTING FACILITY AT

MILTOWN COMPOSTING SYSTEMS LTD.

MILTOWNMORE

FETHARD, CO. TIPPERARY

Prepared For: -

Miltown Composting Systems Ltd.,
Blakescross,
Lusk,
Co. Dublin

Prepared By: -

O' Callaghan Moran & Associates,
Granary House,
Rutland Street,
Cork.

21st May 2009

1 NON-TECHNICAL SUMMARY

Miltown Composting Systems (Miltown) is applying to the Environmental Protection Agency (Agency) for a Waste Licence for their existing in-vessel organic waste composting facility at Miltownmore, Fethard, Co. Tipperary.

The application for a Waste Licence is in accordance with the requirements of the Waste Management Acts, 1996 to 2003. This non-technical summary contains the information specified in Article 12 (1) (u) of the Waste Management (Licensing) Regulations, 2004 (S.I. No. 395 of 2004). It is proposed to expand the capacity of the facility and this expansion requires Milltown to obtain a Waste Licence from the Agency, as the proposed total annual waste intake will be greater than 10,000 tonnes threshold set in the Waste Management (Facility Permit) Regulations S.I. No 821 of 2007, as amended.

Compliance with Requirements of the Waste Management Act 1996 to 2003

Best Available Techniques (BAT) will be used to prevent/eliminate or, where this may be deemed not practicable, limit/abate/reduce emissions of environmental concern resulting from on-site recovery activities.

Nature of the Facility

The activity involves the operation of a composting facility for a broad range of compostable materials including source segregated household kitchen waste; catering wastes; non-hazardous industrial and municipal waste water sludges and organic fines generated in the treatment of mixed municipal solid waste (MSW).

Classes of Activity

The relevant activities as per the Fourth Schedule of the Waste Management Acts 1996 – 2008 will be as follows: -

Fourth Schedule – Waste Recovery Activities

Principal Activity:

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

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’

Quantity and Nature of the Waste to be Recovered or Disposed

The facility will accept only the waste types set out in Table H.1 of the application form. A maximum of 24,500 tonnes per annum will be accepted. Total waste inputs are shown on Table 1.1

Table 1.1 Total Waste Inputs

Waste Type	Main EWC Codes	Tonnes/ Year
Source separated household and commercial organic waste	20 01 08	7,000
MSW Fines	19 12 12	10,000
Industrial, municipal and commercial sludges	19 08 05 19 08 12 20 01 25 02 05 02 02 02 04	6000
Other non-hazardous biological wastes	Others	1,500
Total		**24,500**

Note: The actual quantities of each type may vary, depending on market conditions

It is expected that, as the roll-out of the source segregated collection of household and commercial organic waste continues, there will be change in the waste profile, with an increase in the source segregated materials and a reduction in the volume of MSW fines.

Raw and Ancillary Materials, Substances, Preparations, Fuels & Energy used on the Site

Raw materials and energy to be used on-site include: -

- Diesel for on-site plant equipment,
- Hydraulic oil and engine oil for use in on-site equipment,
- Electricity,
- Water.

Plant, Methods, Processes, Abatement, Recovery, Treatment and Operating Procedures

The plant that will be used at the facility on a regular basis includes: -

3 No. Telescopic Loader,

2 No. Shredder,

1 No. Specialised Compost Turner,

1 No. Vibrating Screen,

2 No. Powerwashers.

Waste Processing

In the reception area the MSW fines may, depending on composition, be shredded to enhance the composting process. The source segregated household and catering organic waste may be screened to remove contaminants. The wastewater treatment sludges are mixed with a bulking agent e.g. shredded green waste to improve porosity.

Thermophilic Stage

The materials are transferred from the reception area to the tunnels using the telescopic loaders. The material placed in each of the tunnels is assigned an individual batch number to allow performance monitoring during the treatment stages and ensure the maintenance of accurate records.

Three (3 No) temperature probes are placed within the waste mass before the sheeting is placed over the top of the tunnel. There is a computerised process control system, located in the site office, which records the temperature in each tunnel to ensure that optimum composting conditions are maintained. In addition to the constant temperature monitoring, oxygen levels are monitored daily using a hand held probe. The moisture level is assessed either visually or using a hand held moisture meter.

In order to comply with the Animal By-Products Regulations a 'two barrier' system is operated in the MSW/kitchen/catering waste processing area. The objective is to ensure a maximum particle size of 400mm and achieve a sustained temperature of 60^0C over two separate 48 hour periods.

The MSW fines as delivered typically have a particle size less than 40mm. Large items are manually removed before the materials are composted. Maintaining the temperature at 60 C

for the two separate time periods is done by composting the same batch in two different tunnels.

In the first tunnel, or Barrier 1, the process usually takes one week. When completed, the material is removed to a second tunnel-Barrier 2-where it is thoroughly mixed and again composted until the temperature requirements are met. To avoid cross contamination different buckets are used to move the materials into and out of the tunnels.

Mesophilic Stage

When the material has completed the thermophilic stage it is removed from the tunnel and transferred to Sheds 2 and 3 where it is formed into windrows. Depending on the source of the materials it may be blended with shredded green waste to improve porosity. The windrows are formed using the telescopic loader and are turned daily using either the specialized turner or the loader.

Temperature, oxygen and moisture content are regularly monitored and moisture and the turning regime amended as required to ensure optimum conditions. The mesophilic stage can take up to 6 weeks.

When complete the compost may, depending on the nature of the source material, be screened to remove contaminants. These are stored on-site is a skip pending consignment to off-site disposal facilities.

Information Related to Section 40(4) (a) to (d) of the Waste Management Act

Details of the emissions are presented in Section 6 of the Project Description which accompanies this application. The emissions will not result in the contravention of any relevant standard or emission limit prescribed under enactment.

The site activities are based on best management practice and take into consideration the BAT Guidance Note for the Waste Sector: Waste Transfer Activities published by the Agency. The facility operations, when carried out in accordance with licence conditions, will not cause environmental pollution.

The Facility Manager, Mr Neill Barry, completed the Cre Certificate in Compost Facility Operation course in 2008 and the FAS Waste Management Course in 2007.

Energy will be used efficiently in the carrying out of the activities although the composting process is not energy intensive. Necessary measures will be taken to ensure limited consequences for the environment from accidents or the permanent cessation of activities at the site.

Source, Location, Nature, Composition, Quantity, Level and Rate of Emissions

Surface Water / Groundwater

The lands are located in the catchment of the River Moyle, which is a sub-catchment of the River Suir. There are separate collection systems for the run-off from the yards and the roofs. Currently all run-off is directed to the constructed wetlands, which has an outflow to an open field drain.

The only emission to ground is the sanitary wastewater from the Canteen/Changing Room. At present this is discharged to a conventional septic tank and percolation area, which are located to the south west of Shed 1.

Leachate/Wastewater

Leachate and waste water are generated from the fresh and composting biowaste and condensate collecting in the air extraction system. In addition to the leachate generated by the process, the wheels of the waste delivery vehicles are washed down inside Shed 1.

Dust

Dust has not been a significant problem at the facility and there are no new operations proposed which could affect dust emissions. Potential sources of dust include vehicle manoeuvring on paved and unpaved areas and loading/unloading materials. Dust monitoring is carried out annually at three monitoring locations on the facility boundary.

Noise

The potential sources of noise are waste transport vehicles, mobile plant and materials processing. Noise Monitoring is carried out annually at two onsite locations.

Odours

The incoming waste is odorous and the composting process also generates odours. The process air from both the in-vessel unit and the maturation area is collected and treated in biofilters. This minimises the risk of bioaerosols and odour generation. The nearest sensitive locations are the private residences and public road approximately 900m to the north and the private residences to north east and south east of the site.

Bioaerosol

Bioaerosols (airborne micro-organisms typically <5 um in diameter) can be generated during the turning and handling of the composting materials. They present a potential health impact at composting facilities. A study conducted by Cre (the Composting Association of Ireland) concluded that, based on a review of international literature, the general population is not at risk and that there is no clear evidence that either the public or

workers at composting facilities have been affected by bioaerosols. Bioaerosol monitoring is carried out annually.

Assessment of the Effects of Emissions on the Environment

Groundwater /Surface water

Groundwater monitoring is carried out at 3 onsite wells annually. The monitoring has not identified any impacts due to site activities.

Surface water monitoring is carried out annually and has established that emissions comply with the emission limits set in the Permit. The monitoring has not identified any impacts due to site activities.

Dust

Dust is not a significant problem at the facility, the monitoring which is carried out three times per year has not identified any impacts due to site activities.

Noise

Noise monitoring is carried out annually and has established that emissions from the activity comply with the limits set in the Permit. The monitoring has not identified any impacts due to site activities.

Odours

The incoming waste is odorous and the composting process also generates odours. Monitoring of the biofilter medium and emissions from the biofilter is carried out annually. The monitoring, has established that emissions from the biofilter comply with the limits set in the Permit and confirms that site activities are not impacting the environment.

Bioaerosols

The thermophilic and mesophilic stages are carried out indoors, which reduces the potential for the spread of the bioarerosols. The air extraction and treatment system and biofolter further reduces the risk of the escape of bioaerosols from the building. The monitoring has demonstrated that the facility is not impacting on bioaerosol levels in the vicinity of the site. The monitoring has not identified any impacts due to site activities.

Monitoring and Sampling Points

Groundwater /Surface water

Groundwater monitoring is carried out at 3 onsite wells annually. The wells are monitored for pH electrical conductivity, ammonia, nitrate, chloride and faecal and total coliforms. It is not proposed to alter the existing monitoring programme.

The surface water discharges are intermittent and rainfall dependent. Annual monitoring of the surface water emissions is carried out. The monitoring includes pH, electrical conductivity, biochemical oxygen demand total suspended solids, and ammonia. It is not proposed to alter the existing monitoring programme.

Dust

Dust is monitored at three locations on the property boundary three times annually. The measurements will be carried out using Bergerhoff gauges specified in the German Engineering Institute VDI 2119 document entitled "Measurement of Dustfall Using the Bergerhoff Instrument (Standard Method). It is not proposed to alter the existing monitoring programme.

Noise

Noise is monitored annually at two locations, one at the facility entrance and the second in a field to the north of the buildings. The monitoring is representative of daytime 30-minute L(A)eq and is carried out in accordance with the ISO1996: Acoustics - Description and Measurement of Environmental Noise. It is not proposed to alter the existing noise monitoring programme.

Odour

Monitoring of the biofilter medium and emissions from the biofilter is carried out annually. The most recent monitoring event was carried out in October 2008 and included monitoring of air samples taken the inlet to the biofilter and from the surface of the biofilter, and testing of a sample of the biofilter medium. It is not proposed to alter the existing monitoring programme.

Bioaerosols

Bioaerosols are monitored at three locations annually. The locations include the vicinity of the nearest sensitive receptor; 25m up prevailing wind and 25m down prevailing wind of the facility. The methods used are based on the UK Composting Association 'Standardised Protocol for the Sampling and Enumeration of Airborne Micro-organisms at Composting Facilities'. It is not proposed to alter the existing monitoring programme.

Prevention and Recovery of Waste

Waste oils generated during plant and vehicle maintenance will be collected and sent off-site for recovery.

Off-site Treatment or Disposal of Solid or Liquid Wastes

The discharge from the facility is limited to foul water from welfare facilities to an existing septic tank and percolation area.

Leachate and condensate from the in-vessel units are collected and directed to a leachate storage tanks. From there it is recirculated back into the in-vessel units. Although the in vessel stage is generally be a closed loop system in terms of water usage, there may be occasions where the waste has an elevated moisture content resulting in a surplus of wastewater emanating from the process.

Surplus leachate will be collected in an underground storage tank and removed as required to a waste water treatment plant. It is not proposed to carry out routine monitoring of this as part of the waste licence. Monitoring will be carried out as requested by the operator of the waste water treatment plant for billing purposes.

Emergency Procedures to Prevent Unexpected Emissions

Miltown will prepare an Emergency Response Procedure for the facility that addresses all contingencies that might arise including fire, uncontrolled release of leachate and/or oil, facility closure failure and major injury. The procedure will ensure a rapid response to any incident by trained staff and minimise the impact on the environment of any associated emissions.

Closure, Restoration and Aftercare of the Site

It is not anticipated that the waste processing activities will cease in the medium to long term. In the unlikely event that the facility shuts down it will be decommissioned in accordance with an agreed Decommissioning Plan. Post closure measures for the monitoring and maintenance of the building and the restored areas will be agreed with the Agency.

ATTACHMENT B

General

ATTACHMENT B.1

Applicants Details

Attachment B.1 Applicants Details

The applicant, Miltown Composting Systems Ltd., was incorporated on the 16th February 2004 (Company Reg. No. 381855). A copy of the Certificate of Incorporation is included in this Attachment.

The Company Directors are: -

- David Ronan,
- Jacqueline Ronan

The company's registered address is Moylan Mulcahy & Company, Chartered Accountants & Registered Auditor, Sarsfield House, Sarsfield Road, Wilton, Cork.

The applicant leases the property from Mr. David Ronan, Castleblake, Rosegreen, Cashel, County Tipperary. Mr. Ronan is a shareholder of Miltown Composting Systems. The lease boundary, which is the same as the proposed License Area, is delineated in green on Drawing No. 1, which is included with this attachment.

3769658/1

Number **381855**

DUPLICATE FOR THE FILE

Certificate of Incorporation

I hereby certify that

MILLTOWN COMPOSTING SYSTEMS LIMITED

is this day incorporated under
the Companies Acts 1963 to 2001,
and that the company is limited.

Given under my hand at Dublin, this

Monday, the 16th day of February, 2004

for Registrar of Companies

Certificate handed to/posted to:* *Icc Information Limited*
17, Dame Street,
Dublin 2.

Pat Curtin

Signed: _____ *Date:* _____

**Delete as appropriate*

N3

Lease Boundary

D3

Existing Road access to Sheds 2 & 3

Steeldeck Weighbridge

N2

D1

Leachate Tank

Shed 3

MW3

MW1

Concrete Yard 2

Slatted Cattle Shed

Paved Roadway and Parking Area

Concrete Yard 1

Slatted Cattle Shed

Leachate Tank

N1

Concrete Yard 2

Shed 1

Concrete Yard 3

Shed 2

Earthen Bank Lagoon

MW2

Storage Shed

Container

Biofilter

Bio Filter

Berm

Earth Bank

Wetlands

Waste Water Treatment System

Stormwater Flow

D2

Wetlands

SW1

N
W
E
S

REV	DATE	DESCRIPTION	DRN	CHKD	APP

O' Callaghan Moran & Associates.
Granary House, Rutland Street,
Cork, Ireland.
Tel. (021) 4321521 Fax. (021) 4321522
email : info@ocallaghanmoran.com

CLIENT

Miltown Composting Systems

TITLE

Site Layout showing Lease Boundary

SCALE	DRAWING No.	REV.
1:1000 A3	1	

ATTACHMENT B.2

Location of Facility

Attachment B.2 Location of Facility

The boundary of the application area is marked in red on Drawing No. 2 included with this attachment. The facility is located at Miltownmore, Fethard, County Tipperary as shown on Figure 3.1 (1:50,000) of the Project Description. The site services are shown on Figure 3.2 in the Project Description.

The National Grid Reference is E 215859 N 133446. The proposed licensed area is the same as that leased by the applicant.

N3

Site Notice

Lease Boundary

D3

Existing Road access to Sheds 2 & 3

Steeldeck Weighbridge

N2

D1

Leachate Tank

Shed 3

MW3

MW1

Concrete Yard 2

Slatted Cattle Shed

Paved Roadway and Parking Area

Concrete Yard 1

Slatted Cattle Shed

Leachate Tank

N1

Concrete Yard 2

Shed 1

Concrete Yard 3

Shed 2

Bio Filter

Berm

MW2

Storage Shed

Container

Biofilter

Earthen Bank Lagoon

Earth Bank

Wetlands

Waste Water Treatment System

Stormwater Flow

D2

Wetlands

SW1

N

W

E

S

REV	DATE	DESCRIPTION	DRN	CHKD	APP

O' Callaghan Moran & Associates.
Granary House, Rutland Street,
Cork, Ireland.
Tel. (021) 4321521 Fax. (021) 4321522
email : info@ocallaghanmoran.com

CLIENT

Miltown Composting Systems

TITLE

Site Layout showing
Site Boundary &
Site Notice Location

SCALE	DRAWING No.	REV.
1:1000 A3	2	

ATTACHMENT B.3

Planning Authority

Attachment B.3 Planning Authority

Miltown Composting have received planning permission for the composting facility (Ref. No's 08/834, 04/188 and 01/357) from South Tipperary County Council. A copy of the most recent planning permission (08/834) is included in this attachment.

SOUTH TIPPERARY COUNTY COUNCIL

PLANNING AND DEVELOPMENT ACTS, 2000 TO 2007

PLANNING AND DEVELOPMENT REGULATIONS 2001 - 2007

NOTIFICATION OF DECISION TO GRANT IN ACCORDANCE WITH SECTION 34 OF THE 2000 ACT.

Milltown Composting Systems Ltd
c/o NRGE Ltd
Mooresfort
Lattin
Co Tipperary

Ref No. 08/834

APPLICATION RECEIPT DATE: 16/07/2008 **FURTHER INFO RECD** 17/02/2009

Having regard to:

☒ the nature and extent of the proposed development;
☒ the planning history of the site,
☒ the intended use of the proposed development,
☒ the policies of the County Development Plan 2003 and
☒ the pattern of development in the area,

it is considered that, subject to compliance with the conditions set out in the attached Schedule, the proposed development;

☒ would not seriously injure the amenities of the area or of property in the vicinity;
☒ would not be prejudicial to public health;
☒ would be acceptable in terms of traffic safety and convenience;
☒ would not be unduly obtrusive on the landscape;
☒ would, therefore, be in accordance with the proper planning and sustainable development of the area.

In pursuance of the powers conferred upon it by the above-mentioned Acts, South Tipperary County Council has by Order dated _____February 2009 decided to GRANT PERMISSION FOR RETENTION to the above named for development of land, as follows:-

demountable office, toilet, canteen and changing room with septic tank, percolation area, 2 overground water tanks 1 underground collection tank, ammendment store, transformer/switch gear structures, access roadway,weighbridge, change of the location and size of Agricultural Product Store

At: Miltownmore Fethard Co Tipperary

Subject to the 8 conditions and reasons therefore as set out in the schedule attached**.**

If there is no appeal against the said decision, a GRANT in accordance with the decision will be issued after the expiration of the period within which an appeal may be made to An Bord Pleanala (see appeal details overleaf).

IT SHOULD BE NOTED THAT UNTIL A GRANT OF PERMISSION OR PERMISSION CONSEQUENT ON THE GRANT OF AN OUTLINE PERMISSION HAS BEEN ISSUED, THE DEVELOPMENT OR RETENTION IN QUESTION IS NOT AUTHORISED.

Signed on behalf of South
Tipperary County Council ……..
County Secretary.

Dated:……March, 2009

SOUTH TIPPERARY COUNTY COUNCIL

Planning & Development Acts 2000 to 2007

Ref No. In Planning Ref: 08/834 **Page 1/4**

Schedule referred to in Order No. _____

S C H E D U L E

1. Save where modified by the following conditions, the proposed development shall be retained, carried out and completed in accordance with the drawings and documentation submitted with the planning application on the 16th July 2008, as amended by additional plans and details received on the 1st December 2008 & 17th February 2009 as further information.

   Reason: In the interest of proper planning and sustainable development.

2. Within 4 weeks of receipt of this notice, the developer shall pay to the Planning Authority a development contribution in the sum of €16,006.83 in respect of the provision of improved road infrastructure and improved recreational and community facilities and amenities.

   (i) The amount of the development contribution shall be in accordance with the following class as detailed in the current South Tipperary Development Contribution Scheme:

Class 6		**Rate 2009**	**Area sq m**	**Total**
Agricultural Store in excess of 600 sq m	**Roads**	**€6.40 per m2**	**2,249 m2**	**€14,393.60**
				€14,393.60

Class 12	**Lean to**	**Rate 2009**	**Area sq m**	**Total**
Tanks or Structures for Storage	**Roads**	**€6.40 per m2**	**96 m2**	**€614.40**
				€614.40

Class 12	**Tank 1**	**Rate 2009**	**Area sq m**	**Total**
Tanks or Structures for Storage	**Roads**	**€6.40 per m2**	**27 m2**	**€172.80**
				€172.80

SOUTH TIPPERARY COUNTY COUNCIL

Planning & Development Acts 2000 to 2007

Ref No. In Planning Ref: 08/834 **Page 2/4**

Schedule referred to in Order No. _____

S C H E D U L E

Class 12	Tank 2	Rate 2009	Area sq m	Total
Tanks or Structures for Storage	Roads	€6.40 per m2	20 m2	€128.00
				€128.00

Class 12	Tank 3	Rate 2009	Areas sq m	Total
Tanks or Structures for Storage	Roads	€6.40 per m2	5 m2	€32.00
				€32.00

Class 1		Rate 2009	Area sq m	Total
Office	Roads	€12.82 per m2	15 m2	€192.30
	Community	€9.53 per m2	15 m2	€142.95
				€335.25

Class 1		Rate 2009	Areas sq m	Total
Canteen/Toilet	Roads	€12.82 per m2	14.8 m2	€189.74
	Community	€9.53 per m2	14.8 m2	€141.04
				€330.78

Reason: As a contribution towards the cost of the provision of improved water supply services, road infrastructure and improved recreational and community facilities and amenities, in accordance with Development Contribution Scheme for the period 1 March 2009 to 28 February 2011 which was adopted, pursuant to Section 48 of the Planning and Development Act, 2000 by resolution of South Tipperary County Council, dated 9 February 2009. Such improvements will facilitate this development.

SOUTH TIPPERARY COUNTY COUNCIL

Planning & Development Acts 2000 to 2007

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Schedule referred to in Order No. _____

S C H E D U L E

3. a) Uncontaminated surface water runoff from roofs and clean paved areas within the site shall be collected separately from soiled warters and shall be disposed of directly in a sealed system t to a watercourse, located within the curtilage of the application site or, alternatively, shall be recycled for use in the proposed development. Surface water shall not discharge onto the public road or to adjoining properties.

b) The applicant shall install and maintain silt traps and oil separator at the facility to ensure that all storm water discharges from the facility pass through a silt trap and oil separator in advance, of discharge. The separator shall be a Class I full retention separator and the silt traps and separator shall be in accordance with I.S. EN 858-2:2003 (separator systems for light liquids). The silt trap and separator shall be installed within 4 weeks of the receipt of this notice.

c) A Certificate of compliance with this condition shall be forwarded to the Planning Authority immediately on completion of excavation. This Certificate shall be signed by an Architect, Engineer, Surveyor, Technician or other competent person.

Reason: In the interest of orderly development and public health.

4 Within 4 weeks of the receipt of this notice odour control measures shall be installed on Sheds No.'s 2 & 3 as proposed under further information received on the 1st December 2008. Final design details of the systems to be installed shall be agreed with the Planning Authority prior to construction.

Reason: In the interest of orderly development and amenity.

5 a) Domestic effluent from the development shall discharge to a proprietary effluent treatment system & percolation area as proposed in the further information received on the 17th February 2009. The wastewater treatment system and percolation area shall be designed, located and constructed in accordance with the requirements of EPA 1999 Treatment Systems Manual-Treatment Systems for Small Communities, Business, Leisure Centres and Hotels.

b) The proposed effluent treatment system shall be installed within 4 weeks following the receipt of this decision. The existing effluent disposal system shall be decommissioned fully when the proposed system becomes operational.

c) A Certificate of Compliance, prepared and signed by an Architect, Engineer, Surveyor or Technician to state that the proprietary treatment system and polishing filter and associated works fully comply with Condition No. 5.a) and 5b) shall be submitted to the Planning Authority.

S C H E D U L E

c) The owners/occupiers of the subject site shall be responsible for the maintenance of their system and polishing filter, and shall undertake regular sampling of the effluent to ensure the effluent quality adheres to the manufacturer's guidelines.

Reason: In the interests of public health.

6. The use of the existing wetlands for the treatment of soiled waters shall be discontinued. The wet lands hall be retained for use as a natural habitat as per further information received on the 17th February 2009. Soiled waters generated in the development shall discharge properly to a lechate storage tank.

Reason: In the interests of public health.

7. The applicant/developer shall comply fully with the requirements of The Department of the Environment, Heritage and Local Government, National Monuments Section in respect of this proposed development.

Reason: To ensure an archaeological assessment of the proposed development is completed.

8. a) Appropriate wheel cleaning equipment shall be provided at this facility Same shall be installed within 4 weeks of the receipt of this notice.

b) All vehicles leaving the facility as required to ensure that no process water or waste is carried off-site shall use the wheel cleaner. All water from the wheel cleaning area shall be directed to the trade effluent drainage network.

c) The wheel-wash shall be inspected on a daily basis and drained as required. Silt, stones and other accumulated material shall be removed as required from the wheel-wash and disposed of appropriately.

d) The applicants shall provide a weighbridge on site.

Reason: In the interest of proper planning & development.

SOUTH TIPPERARY COUNTY COUNCIL

PLANNING AND DEVELOPMENT ACTS, 2000 - 2007

COUNTY MANAGER'S ORDER **ORDER NO._____**

Subject: Planning Permission **Ref No. 08/834**

WHEREAS by Manager's Order No.143326 dated the 4th August 2006, Edmond O'Connor, County Manager for South Tipperary County Council did pursuant to powers conferred on him by Section 154 of the Local Government Act 2001, delegate unto me certain powers, functions and duties as set out therein.

NOW THEREFORE pursuant to the delegation of the said powers, functions and duties aforesaid, **I, Sinead Carr, Director of Services, HEREBY DECIDE**, pursuant to the provisions of the Planning and Development Acts, 2000 to 2007, to **GRANT** PERMISSION FOR RETENTION as set out hereunder in accordance with the application received. This PERMISSION FOR RETENTION shall be subject to 8 conditions and reasons specified in the Schedule attached hereto. If there is no appeal against the said decision, a Grant of PERMISSION FOR RETENTION in accordance with the decision will be issued after the expiration of the period within which an appeal may be made to An Bord Pleanala

NAME OF APPLICANT: **Milltown Composting Systems Ltd**

ADDRESS OF APPLICANT: **NRGE Ltd**
Mooresfort
Lattin
Co Tipperary

LOCATION OF DEVELOPMENT: **Miltownmore**
Fethard
Co Tipperary

NATURE OF DEVELOPMENT: **demountable office, toilet, canteen and changing room with septic tank, percolation area, 2 overground water tanks 1 underground collection tank, ammendment store, transformer/switch gear structures, access roadway,weighbridge, change of the location and size of Agricultural Product Store**

Signed: _____
Director of Services

Date: _____March 2009

ATTACHMENT B.4

Sanitary Authority

Attachment B.4 Sanitary Authority

The sanitary authority is South Tipperary County Council. It is not intended to connect to the municipal sewer. Foul water from the onsite facilities is directed to a septic tank and percolation area and it is proposed to install a new proprietary wastewater treatment system.

ATTACHMENT B.5

Other Authorities

Attachment B.5 Other Authorities

The activity is not located within the Shannon Free Airport Development Company area.

The Health Service Executive (HSE) is contactable at the address below

HSE – South
Floor 2
Aras Slainte
Wilton Road, Cork
Tel: 021-4923603
Fax: 021-4545748

ATTACHMENT B.6

Notices & Advertisements

Attachment B.6 Notices and Advertisements

Drawing No. 2 shows the Location of the Site Notice, the text of which is included in this attachment. A copy of the newspaper advertising the application for a waste licence is also included in this attachment. A copy of the letter informing South Tipperary County Council of Miltown's intention to apply for a Waste Licence for the facility is also included in this Attachment.

SITE NOTICE

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR

A WASTE LICENCE

Miltown Composting Systems Ltd., Miltownmore, Fethard, Co. Tipperary is applying to the Environmental Protection Agency (Agency) for a Waste Licence for its composting facility at Miltownmore, Fethard, Co. Tipperary, which is located at National Grid References: E 215859 N 133446. The facility will carry out in-vessel composting of 24,500 tonnes of biodegradable waste annually.

The relevant waste disposal and waste recovery activities, as per the Third and Fourth Schedules of the Waste Management Acts 1996 to 2007, and the Waste Management (Licensing) Regulations 2004, (S.I. No. 395 of 2004) to which this application relates are: -

Fourth Schedule – Waste Recovery Activities

Principal Activity:

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

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'.

A copy of this application for a waste licence and such further information relating to the application, as may be furnished to the Agency in the course of the Agency's consideration 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 Agency at P.O. Box 3000, Johnstown Castle, Co. Wexford.

Date: 22/05/2009 Signed: James Callaghan

News Of The County

TEMPLEDERRY

First Holy Communion.

We congratulate the children who made their First Holy Communion recently. They were Clodagh Dwan, John Gilmartin, Liam Kennedy, Conor Leahy, Laura Maher, Luke McGirr, Marie O Connell, Michael Ryan, Sean Ryan, Emma Stapleton, Jack Stapleton, Victoria Moran, Michael Kennedy, Michael Burke, Luke O Gorman,. Many thanks to their parents , teachers, and all those who prepared them for the ceremony and all who were involved with them:

Killenaive National School.

Enrolment for the school year 2009/2010 is now taking place. If you intend enrolling your child please contact the school Principal as soon as possible for an enrolment form. Phone 067 25311.

Templederry New Cemetary.

May Carers Rota. Jackie Kennedy, Jim Madden, John Ryan Cooneen, and Marian Harrington.

VHI CUL CAMP.

The Annual VHI Cul Camp in association with Templederry Juvenile Club will be held from July 6th to July 10th. Anyone interested can obtain an application form from Teresa Shanahan or Mairead Gleeson.

Opportunities Fair.

An Opportunities Fair which is aimed at all who may have been affected by redundancy or lay off in recent times. If you or any member of your family have been affected then this fair is an event for you. The Opportunities Fair will take place at the ABBEY COURT HOTEL NENAGH on Tuesday May 26th from 2 p.m. to 8 p.m.

Hedge Schoolmasters.

The Hedge Schoolmasters are to be remembered and honoured at Curreenedy Heritage Hedge School on Sunday May 24th. A Bust of a Hedge Schoolmaster will be unveiled at 3.00 p.m. This occasion the opportunity to all, especially to the descendents of families from Curreeney and the surrounding areas to come and pay tribute to those dedicated patriotic teachers who played such a vital role in Ireland during Penal times and subsequent years. After the unveiling there will be refreshments in The Eagles Nest Dolla, for those who attended the ceremonies in Curreeney. Then a dance for all, whether you were in Curreeney or not, for three hours beginning at 5.00 p.m. Music is by the ever popular Castle Trio Band. And Admission is free.

Mission Walk in Templederry.

Due to the many requests from local people to hold a Mission Walk again this year , and also due to the fact that Fr Matt Ryan has now been moved to a new diocese in Brazil, where there is extreme poverty, we have decided to hold the walk in June (date to be confirmed Maybe Sunday June 14th) A major problem in his new diocese is that Ranchers own the majority of the land and they have expelled the poor off the property.Fr Matt is very much aware of the economic crisis in Ireland And is concerned about asking people for money. However, we feel, that if people only gave a few Euro it would make a big difference to the people in this area. We invite everyone who can to join in the walk. Please be assured that every Euro collected will go straight to Fr Matt for his work out there. Further details will be available nearer the time.

Loughmore/Castleiney U-12 Music Group who participated in the Co Fleadh at Nenagh on Saturday last. Back: (from left) - Daniel Butler, Liam Meade, Christine Brennan, Ellen Lanigan, Eilish Hassett, Ciara Manton, Stefan Maher, Anthony Ryan. Seated: Luke Nesbitt, Diarmuid Maher, Peter Nylund, Aine Scott, Aine Campion, Caoimhe Maher, Emily Maher. Photograph: Bridget Delaney

KILLENAULE

Active Retirement - Monthly meeting was held on Tuesday, 5th May in St. Mary's Hall at 2.30 p.m. Minutes were read and signed and plans were made for events coming up, Afternoon Dinner Dance in Tipperary,

Summer Outing Mystery Tour and trip to Sligo in September.

Garden Club - Horticulturist Brian Sheehy gave a talk and demonstration on preparing your window boxes and baskets for summer display at the May meeting of the club held in the Sports Complex. There were many winners of the raffle which included window box, hanging basket, selection of flower plants and shrubs. Next meeting of the club is an outing to Garden Centre at Glanbia, Fethard and arrangements are being organised for summer outing to gardens in Waterford. New members male and female are welcome to come along and avail of what help can be given to be successful in your garden. At most meetings there is a talk, demonstration or slides on gardening and ends with the usual cuppa and is a social event. Annual fee 20 euro.

Senior Citizens - Members of the local senior citizens club had a very enjoyable afternoon on Wednesday, 13th May in St. Mary's Hall with music supplied by Joe Carroll and Brian Byard, short session of Tai Chi with Breda Flynn, usual game of Bingo, Solo Singing by Jackie, Kathy and Kitty. Thanks to the committee for their organising of programme and to ladies for the delicious sandwiches, cakes and tea. Summer outing will be organised for July.

Sympathy - Sincere sympathy to the Feehan family on the recent death of Martin Feehan (Snr.), Helenpark and to the Healy family on the recent death of Chrissie Healy, Grangebarry, Moyglass. May they rest in peace.

First Holy Communion - On this Saturday at 11 a.m. 21 children from Killenaule and Ballinure will receive their First Holy Communion in St. Mary's Church, Killenaule.

Take a Walk on the Wild Side - Series of free events at Lough Doire Bhile Glengoole Slieveardagh to celebrate Biodiversity day. 2 p.m. to 3.30 p.m. - Plant Identification Workshop. 3.30 to 4 p.m. - Tea on the bog, bring your tea in flasks, biscuits will be provided. 4 p.m. to

5.30 p.m. - Guided Walks. 6 p.m. to 8 p.m. - Family Wildlife event, contact (052) 56165. Sunday, 24th May - Launch of Grange's New Looped Walk. Starts at 2 p.m. starting at Grange Badminton Hall, special guest Ella McSweeney of R.T.E.'s "Ear to the Ground" and "Shanks Mare". Grange Development Group is a member of Slieveardagh Rural Development.

SOLOHEAD

Readers - Mass readers in St. Nicholas' Church this weekend 23rd/24th May. Vigil Mass Sinead O'Keeffe, Sunday 11.30 a.m . Willie Dee. Eucharist Ministers Vigil Mass 6.30 p.m. Michael Crowe. Sunday 11.30 a.m. Sean Jackson.

Rosary - A public rosary will be recited at Clonbrick on this Friday evening, May 22nd at 8 p.m. All are welcome.

Sacristan Collection - The collection for our sacristan Nuala Perry will take place this weekend 23rd and 24th May. We are very fortunate to have such a committed person like Nuala taking care of our church. This is an opportunity to express our appreciation and recognition of her work and subscribe generously.

Collection - Multeen Tourism Fás would like to thank everybody who contributed to the church collection held recently and also the people who gave a hand on both days. Total amount collected 476 euro.

Social Dancing - Social Dancing in the Community Centre, Cappawhite this Saturday, 23rd May, music by 'Seabreeze' with special guest Larry Cunningham, Admission 10 euro (proceeds go to Day Care Centre).

Cards - Results of 45 Card Drive held on 11th May. Breda Redican and Paul Ryan, Mai Crowe and Josie Ryan, Maura Heffernan and Paddy Carew, Josie Quirke and Ann McGarahan, Connie Ryan and Phil Heffernan. Cards on Monday at 8.30 p.m. All are welcome.

G.A.A. - Having defeated Rosegreen in the first round of the West Junior A football championship last week Solohead made it back to back victories last Saturday evening in Scan Treacy Park with a well deserved 2-13 to 1-5 win over Aherlow. Team: Jamie Ryan, Davy Ryan, Noel Kennedy, Gerry Dee, Jonathan Ryan, Michael O'Connor, Kieran Ryan, Philip Doherty, Pat Russell, J.J. O'Brien, Colm Riordan, Christopher Kirby, Declan Riordan, Barry Ryan, Peter O'Hora. Subs: Aidan Riordan for C. Kirby, Christopher Hadnett for P. O'Hora, Mikey Ryan for P. Russell, Pairic Greensmyth, Paul Ryan, Declan Burns, Michael Cagney, J.P. Riordan. Other results:

Junior A Football, Solohead 1-10, Rosegreen 1-4.

Minor B Hurling, Solohead / Emly 0-17, Eire Og 1-11.

U/12 B Football Championship, Emly 3-6, Solohead / Aherlow 0-1.

U/12 Football Plate semi-final, Clonoulty B 3-9, Solohead / Aherlow 0-3.

GORTNAHOE-GLENGOOLE

Grange Development Group - An invitation by the above group is extended to all to the launch of Grange's new looped walks at 2 p.m. this Sunday, May 24th commencing at Grange Badminton Hall. Grange Development Group is a member of Slieveardagh Rural Development.

Gortnahoe Eucharist Ministers - More people are needed as Eucharistic Ministers in Gortnahoe Church for weekend Masses. Please give names to Fr. O'Rourke or Jimmy Fogarty.

Farewell Celebration for Fr. O'Keeffe - Everyone is invited to a Mass in Gortnahoe Church this Sunday, May 24th at 7 p.m. and to refreshments afterwards in Gortnahoe Community Centre to give Fr.

O'Keeffe an opportunity to say farewell to all his friends and give the parishioners the chance to express their gratitude to him for all his work as curate in the parish.

Thanks - The Good Shepherd Cemetery Committee wish to thank Cllr. John Fahey for securing funding from South Tipp. County Council for provision of 25 car parking spaces outside the cemetery. This work will be done during 2009. The clean up of the cemetery began last Monday everyone with relatives buried there are asked to come along each week to help.

Table Quiz - Please support a Table Quiz in aid of Grange Development Group in Hogan's Bar, Grange on this Friday, May 22nd.

Local Web Page - The local web page is currently being updated. Any committee member that would be interested in having their organisation featured in this page, please e-mail:- catherinecampion@campion.ie for further information.

BALLINA

BALLINA JUVENILE GAA - Ballina U14A Footballers contested the North Tipp Final in Nenagh last Thursday evening (May 14th). Facing the home side, which paraded some very skilful footballers, it was a tough assignment from the outset. With the aid of a gentle breeze, Ballina dominated the early possession and even though Nenagh got through for a few scores, Ballina led justifiably at half time, with the scoreboard ticking over thanks in no small way to the accurate free taking of Dan Finnerty. Ably led by their captain Darren Slevin, Ballina backs made it difficult for Nenagh to get a free shot at goal in the first half. Conditions didn't get much better after half time and the greasy ball was proving difficult to master for both sides. When Nenagh tacked on two goals in the early stages of the second half, it appeared they would disappear over the horizon. Credit to the Ballina boys, they just don't know how to lose and they proceeded to fight back patiently - point after point. Defending well at the back, dominating midfield, With just a few minutes to play they won a free that was just about in the Nenagh half. Up stepped Dan Finnerty and landed a huge one to draw the match. Credit must go to both sides for providing great entertainment in difficult conditions and in a very sporting manner. Jack Brady manned the posts with authority. Anthony Kennedy & Eamonn Healy flanked Ben Kilkenny excellently to deny Nenagh space. Captain Slevin formed a wall with his two sidekicks Thomas Conway & Conor Gilmore. William Carroll & Conor McGuire dominated midfield while the six forwards, - Phelim O'Hagan, Dan Finnerty, Ronan Burke, Niall Kierse, Aidan Hanley & Peter O'Leary - worked tirelessly on a difficult evening for score-getters. David Kelly was a second-half sub and won crucial ball at times.

Congratulations to Thomas Conway who has been selected to play on the Tipperary Primary team against Limerick in Thurles on May 24th. It's a great honour for Thomas, for his family, for Ballina Primary School and for Ballina GAA.

MONEYGALL-DUNKERRIN

Whist - At the weekly Whist Drive in the Legion Hall on Wednesday night, May 13th the following were the prizewinners. Top Score, Iris Hayes, Top Gent, Kathleen Kelly, Top Lady, Frances Benn, First Half, Mary Shanahan and Josie Whelan, Second Half, Michael Muldowney and Kathleen Maher, Quarters, 1st Pat Cody, 2nd Thady Maher, 3rd Mary Fox, 4th Theresa King. Raffle winners, 1st Peggy shoer, 2nd and 3rd Kit Madden, 4th Kathleen Maher. Whist as usual on Wednesday night at 8 p.m.

Cards - Prizewinners at the card game in the Legion Hall on Sun. 10th May. Tops, Liam O'Brien and John Johnston, Second, Michael Varley and Michael Droney, First Six, Josie O'Connor and Kitty O'Dwyer, Last Six, Joe and Maura Bolger, Last Game, Biddy Keeshan and Nora Tooher. Raffle winners, 1st Kathleen Burns, 2nd John Johnston, 3rd Margaret Costello. Cards continue on Sundays at 8 p.m.

Alzheimer Tea Party - Tea party was a great success held in the Legion Hall on Sunday, May 3rd. The total amount received was 765 euro. Thanks to all those who helped. The first prize was won by Moll Collins and donated by Brid & Joe Treacy.

Cards - Winners at the Progressive 45 card game in the Dunkerrin Community Centre on Friday night last, May 15th were Tops Johnny Butler and Denis Carroll, Second (shared) Paddy and Sara Byrne, T.J. Donoghue and Gerry Maher, First Six (shared) Biddy Keeshan and Nora Tooher, Ted Maher and Patsy Hoolan. Last Six Rody Teehan and John Johnstown. Last game (shared), Michael Varley and Michael Droney, Monica Byrne and Catherine Whyte. Cards every Friday at 8.45 p.m.

Holy Communion - Congratulations to the girls and boys of

Scoil Muire, Dunkerrin who received their First Holy Communion in St. Mary's Church, Dunkerrin on Sunday morning last May 17th. Thanks to Mrs. Bernadette Ryan N.T. for preparing the children and to their parents. Thanks also to the members of the choir and Mary O'Meara, the Musical Director, who once more added much to the solemnity of the occasion. All of the boys and girls arewished well for the future.The following are their names, Jack Bolger, Emma Carey, Aisling Carroll, Rachel Earley, Janina Kennedy, Peter Maher, Fergal Ryan,

Emily McNamara, Brian Naughton, Brianna Troy.

I.C.A. - The monthly meeting of the I.C.A. took place in the Community Centre on Thursday night, May 14th. The President Maura Bolger welcomed all to the meeting. Present was the outgoing North Tipperary Federation President Angela Quinn. Angela spoke at length about the various aspects of the I.C.A. and mentioned that next year 2010 will be the centenary year of the Association and this will be marked by various celebrations throughout the country. Chief Hostess Theresa and two ladies provided an excellent Tea which was enjoyed by all. The next meeting will be on Thursday night, June 4th at 8.30 p.m.

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTE LICENCE

Miltown Composting Systems Ltd., Miltownmore, Fethard, Co Tipperary is applying to the Environmental Protection Agency (Agency) for a Waste Licence for its composting facility at Miltownmore, Fethard, Co Tipperary, which is located at National Grid References: E 215859 N 133446.

The facility will carry out in-vessel composting of 24,500 tonnes of biodegradable waste annually.

The relevant waste disposal and waste recovery activities, as per the Third and Fourth Schedules of the Waste Management Acts 1996 to 2007, and the Waste Management (Licensing) Regulations 2004, (S.I. No. 395 of 2004) to which this application relates are:

Fourth Schedule - Waste Recovery Activities
Principal Activity

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

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'.

A copy of this application for a waste licence and such further information relating to the application, as may be furnished to the Agency in the course of the Agency's consideration 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 Agency at P.O. Box 3000, Johnstown Castle, Co. Wexford.

Comhairle Contae Thiobraid Árann Thuaidh
North Tipperary County Council

NOTICE OF POLL

Local Authority: **North Tipperary County Council**

Local Electoral Area: **THURLES**

1. A poll for the election of members for this local electoral area will be taken on 5th of June 2009, between the hours of 7 am and 10 pm.
2. The following are particulars of the candidates, whose names will appear on the ballot papers in the order shown:-

			Description		
Surname	Other name(s)	Address	Occupation	Name of Political Party, if any	Name and address of proposer, if any
Clancy	Billy	Rosmult, Drombane, Thurles.	Farmer	Non-Party	
Hanafin	Seamus	Clongour, Thurles.	Businessman	Fianna Fáil	
Kenehan	Johnny	47 Moyne Road, Thurles.	Mature Student	The Labour Party	
Kennedy	John	5 Ard na Croise, Thurles	Health Board Employee	The Labour Party	
Kennedy	Willie	Glastrigan, Borrisoleigh, Thurles.	Farmer and Public Representative	Non-Party	
Lowry	Micheál	Glenreigh, Holycross, Thurles.	Self-Employed	Non-Party	
O' Dwyer	Noel	Rahealty, Thurles.	Public Representative	Non-Party	
Quinn	Mae	Rossestown, Thurles.	Secondary School Teacher	Fine Gael	
Ryan	Jim	Mill Road, Thurles.	Accountant	Non-Party	Daniel Troy, 47 Sean Treacy Avenue, Thurles.
Ryan	Seán	22 Church View, Littleton, Thurles.	Teacher	Fianna Fáil	

Paddy Heffernan, Returning Officer, Civic Offices, Limerick Road, Nenagh, Co. Tipperary
Date: 18th May 2009

Aertel Page 622 Website: www.tipperarynorth.ie
"Working with the Community"

Granary House
Rutland Street
Cork

Tel. [021]4321521
Fax. [021]4321522

environmental management for business

Planning Department,
South Tipperary County Council,
County Hall,
Emmet Street,
Clonmel,
Co. Tipperary.

21st May 2009

RE: Application for a Waste Licence – Miltown Composting Systems Ltd.

Dear Sir / Madam,

We wish to notify you, on behalf of our client Miltown Composting Systems, of our intention to make an application to the Environmental Protection Agency for a Waste Licence for its in-vessel composting facility at Miltownmore, Fethard, Co. Tipperary, which is located at National Grid References: E 215859 N 133446. The facility will carry out in-vessel composting of 24,500 tonnes of biodegradable waste annually.

The relevant waste disposal and waste recovery activities, as per the Third and Fourth Schedules of the Waste Management Acts 1996 to 2005, and the Waste Management (Licensing) Regulations 2004, (S.I. No. 395 of 2004) to which this application relates are: -

Fourth Schedule – Waste Recovery Activities

Principal Activity:

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

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'.

Cont'd…

A copy of this application for a waste licence and such further information relating to the application, as may be furnished to the Agency in the course of the Agency's consideration 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 Agency at P.O. Box 3000, Johnstown Castle, Co. Wexford.

Yours sincerely,

Jim O' Callaghan

0916001/JOC/MG
c.c. Mr. David Ronan.

ATTACHMENT B.7

Type of Activity

Attachment B.7 Type of Activity

The relevant activities as per the Fourth Schedule of the Waste Management Acts 1996 – 2007 will be as follows: -

Fourth Schedule – Waste Recovery Activities

Principal Activity:

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

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'.

Table B7 Total Waste Inputs

Waste Type	Main EWC Codes	Tonnes / Year
Source separated household and commercial organic waste	20 01 08	7,000
MSW Fines	19 12 12	10,000
Industrial, municipal and commercial sludges	19 08 05 19 08 12 20 01 25 02 05 02 02 02 04	6000
Other non-hazardous biological wastes	See Table Enclosed	1,500
Total		**24,500**

Note : The actual quantities of each type may vary, depending on market conditions

Fee:

4. The recovery of waste. €10,000

PROPOSED WASTES FOR ACCEPTANCE AT MILTOWN COMPOSTING LTD

02	**Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing**
02 01	**Waste from agriculture, horticulture, aquaculture, forestry, hunting and fishing**
02 01 01	Sludges from washing and cleaning
02 01 03	Plant-tissue waste
02 01 06	Animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated of site
02 01 07	Waste from forestry
02 01 99	Wastes not otherwise specified
02 02	**Wastes from the preparation and processing of meat, fish and other foods of animal origin**
02 02 01	Sludges from washing and cleaning
02 02 03	Materials unsuitable for consumption or processing
02 02 04	Sludges from on-site effluent treatment
02 02 99	Wastes not otherwise specified
02 03	**Wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and**
02 03 01	Sludges from washing, cleaning, peeling, centrifuging and separation
02 03 04	Materials unsuitable for consumption or processing
02 03 05	Sludges from on-site effluent treatment
02 03 99	Wastes not otherwise specified
02 04	**Wastes from sugar processing**
02 04 03	Sludges from on-site effluent treatment
02 04 99	Wastes not otherwise specified
02 05	**Wastes from the dairy products industry**
02 05 01	Materials unsuitable for consumption or processing
02 05 02	Sludges from on-site effluent treatment
02 05 99	Wastes not otherwise specified
02 06	**Wastes from the baking and confectionery industry**
02 06 01	Materials unsuitable for consumption or processing

02 06 03	Sludges from on-site effluent treatment
02 06 99	Waste not otherwise specified
02 07	**Wastes from the production of alcoholic and non-alcohol beverages (except coffee, tea and cocoa)**
02 07 01	Wastes from washing, cleaning and mechanical reduction of raw materials
02 07 02	Wastes from spirits distillation
02 07 04	Materials unsuitable for consumption processing
02 07 05	Sludges from on-site effluent treatment
02 07 99	Waste not otherwise specified
03	**Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard**
03 01	**Wastes from pulp, paper and cardboard production and processing**
03 01 01	Waste bark and cork
03 01 05	Sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
03 03	**Wastes from pulp, paper and cardboard production and processing**
03 03 11	Sludges from on-site effluent treatment other than those mentioned in 03 03 10(EWC)
15	**Waste Packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified**
15 02	**Absorbents, filter materials, wiping cloths and protective clothing**
15 02 03	Absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
17	**Construction and demolition wastes (including excavated soil from contaminated sites**
17 02	**Wood, glass and plastic**
17 02 01	Wood
17 05	**Soil (including excavated soil from contaminated sites), stones and dredging spoil**
17 05 06	Dredging spoil other that those mentioned in 17 05 05
19 05	**Wastes from aerobic treatment of solid wastes**
19 05 01	Non-composted fraction of municipal and similar wastes
19 05 02	Non-composted fraction of animal and vegetable waste
19 05 03	Off-specification compost
19 05 99	Wastes not otherwise specified
19 06	**Wastes from anaerobic treatment of waste**
19 06 03	Liquor from anaerobic treatment of municipal waste
19 06 04	Digestate from anaerobic treatment of municipal waste
19 06 05	Liquor from anaerobic treatment of animal and vegetable waste

19 06 06	Digestate from anaerobic treatment of animal and vegetable waste
19 06 99	Wastes not otherwise specified
19 08	**Wastes from waste water treatment plants not otherwise specified**
19 08 01	Screenings
19 08 02	Waste from desanding
19 08 05	Sludges from treatment of urban waste water
19 08 09	Grease and oil mixture from oil/water separation containing only edible oil and fat
19 08 12	Sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
19 08 14	Sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
19 08 99	Wastes not otherwise specified
19 09	**Wastes from the preparation of water intended for human consumption or water for industrial use**
19 09 01	Solid waste from primary filtration and screenings
19 09 02	Sludge from water clarification
19 09 03	Sludge from decarbonation
19 09 04	Spent activated carbon
19 12	**Wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
19 12 07	Wood other than that mentioned in 19 12 06
19 12 12	Other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
19 13	**Wastes from soil and groundwater remediation**
19 13 06	Sludges from groundwater remediation other than those mentioned in 19 13 05
19 13 08	Aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07
20	**Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions**
20 01	**Separately collected fractions**
20 01 01	Paper and cardboard
20 01 08	Biodegradable kitchen and canteen waste
20 01 25	Edible oil and fat
20 01 41	Wastes from chimney sweeping
20 02	**Garden and park wastes (including cemetery waste)**
20 02 01	Biodegradable waste
20 03	**Other municipal wastes**
20 03 01	Mixed municipal waste

20 03 02	Waste from markets
20 03 03	Street-cleaning residues
20 03 04	Septic tank sludge
20 03 06	Waste from sewage cleaning

ATTACHMENT B.8

Seveso II Directive

Attachment B.8 Seveso II Directive

The EC (Control of Major Accident Hazards involving Dangerous Substances) Regs 2000 (SI No. 476 of 2000) does not apply to this facility.

ATTACHMENT C

Management of the Facility

ATTACHMENT C.1

Technical Competence & Site Management

Attachment C.1 Technical Competence and Site Management

Miltown Composting will employ 4 to 6 people at the site, which include:

- Facility Manager,
- Assistant Manager,
- Machine Operators.

Miltown Composting will ensure that the staff are provided with the appropriate training to ensure that the facility is managed in accordance with the Waste Licence conditions and in a manner that does not result in environmental pollution. The Facility Manager, Mr. Neil Barry, completed the Cre Certificate in Compost Facility Operation course in 2008 and the FÁS Waste Management Course in 2007. The Assistant Manager, Mr. Philip Maher, completed the Cre Certificate in Compost Facility Operation course in 2008.

ATTACHMENT C.2

Environmental Management System (EMS)

Attachment C.2 Environmental Management System (EMS)

Miltown will develop and implement an Environmental Management System (EMS) for the facility once it is operational. The EMS will, as a minimum, include the following: -

- Management Structure,
- Communications Programme,
- Corrective Action Procedures,
- Environmental Management Programme,
- Schedule of Targets and Objectives,
- Awareness and Training Procedures,
- Document Control Procedures.

ATTACHMENT C.3

Hours of Operation

Attachment C.3 Hours of Operation

The proposed normal operational hours are

Monday - Saturday – 06:00 – 18:00

The proposed normal acceptance hours are:

Monday - Saturday – 08:00 – 18:00

The facility will not normally open on Sundays.

There are no hours of operation/waste acceptance specified in the planning permission for the facility and there are no environmental reasons to restrict hours. It is therefore requested that any hours of operation/waste acceptance specified in the licence can be changed subject to the agreement of the Agency.

ATTACHMENT C.4

Conditioning Plan

Attachment C.4 Conditioning Plan

A Conditioning Plan is not required.

ATTACHMENT D

Infrastructure & Operation

ATTACHMENT D.1

Infrastructure

Attachment D.1 Infrastructure

Details of the existing and proposed infrastructure the site are shown on Drawing No. 2 which is included in Attachment B2.

D.1. Infrastructure

a. Site Security Arrangements

Section 4.10 of the Project Description which accompanies the application, describes the security arrangements.

b. Design For Site Roads

The road layout is shown on Figure 3.2 in the Project Description.

c. Hardstanding Areas

Section 4.4 of the Project Description describes the hardstanding arrangements.

d. Weighbridge

A weighbridge is located at the site entrance to the west of the composting buildings. All vehicles will enter and exit the facility via the weighbridge.

e. Wheel Cleaning

The wheels of all waste delivery vehicles will be washed down inside Shed 1.

f. Laboratory Facilities

It is not proposed to provide laboratory facilities at the site.

g. Fuel Storage

Oil and fuel storage arrangements are described in Section 4.9 of the Project Description.

h. Waste Quarantine Areas

The waste quarantine area is located within the waste reception area.

i. Waste Inspection

The waste acceptance procedure including waste inspection is described in Section 5.7 of the Project Description

j. Traffic Control

Section 4.2 of the Project Description describes the site access arrangements.

k. All Services

Section 4.3 of the Project Description describes the site services.

l. Sewerage and Surface Water Infrastructure

Sections 4.3 and 4.7 of the Project Description describe the sewage and surface water arrangements.

m. Plant Sheds, Garages and Equipment Compound

Section 4.4 of the Project Description which accompanies the application describes the building arrangements.

n. Site Accommodation

It is not proposed to alter the existing offices and toilet facilities.

o. Fire Control System

Sections 5.13 and 5.14 of the Project Description describes the fire control system.

p. Civic Amenities

It is not proposed to provide any civic amenity facilities on-site.

q. Details of Composting Infrastructure

Section 5.8 of the Project Description describes the composting infrastructure.

r. Description of Incineration infrastructure (if applicable)

There will be no incineration infrastructure at this facility.

s. Details of any other infrastructure proposed

All site infrastructure is described in Section 4.4 of the Project Description.

ATTACHMENT D.2

Facility Operation

Attachment D.2 Facility Operation

Operational History

Section 1 of the Project Description describes the site history.

Operations

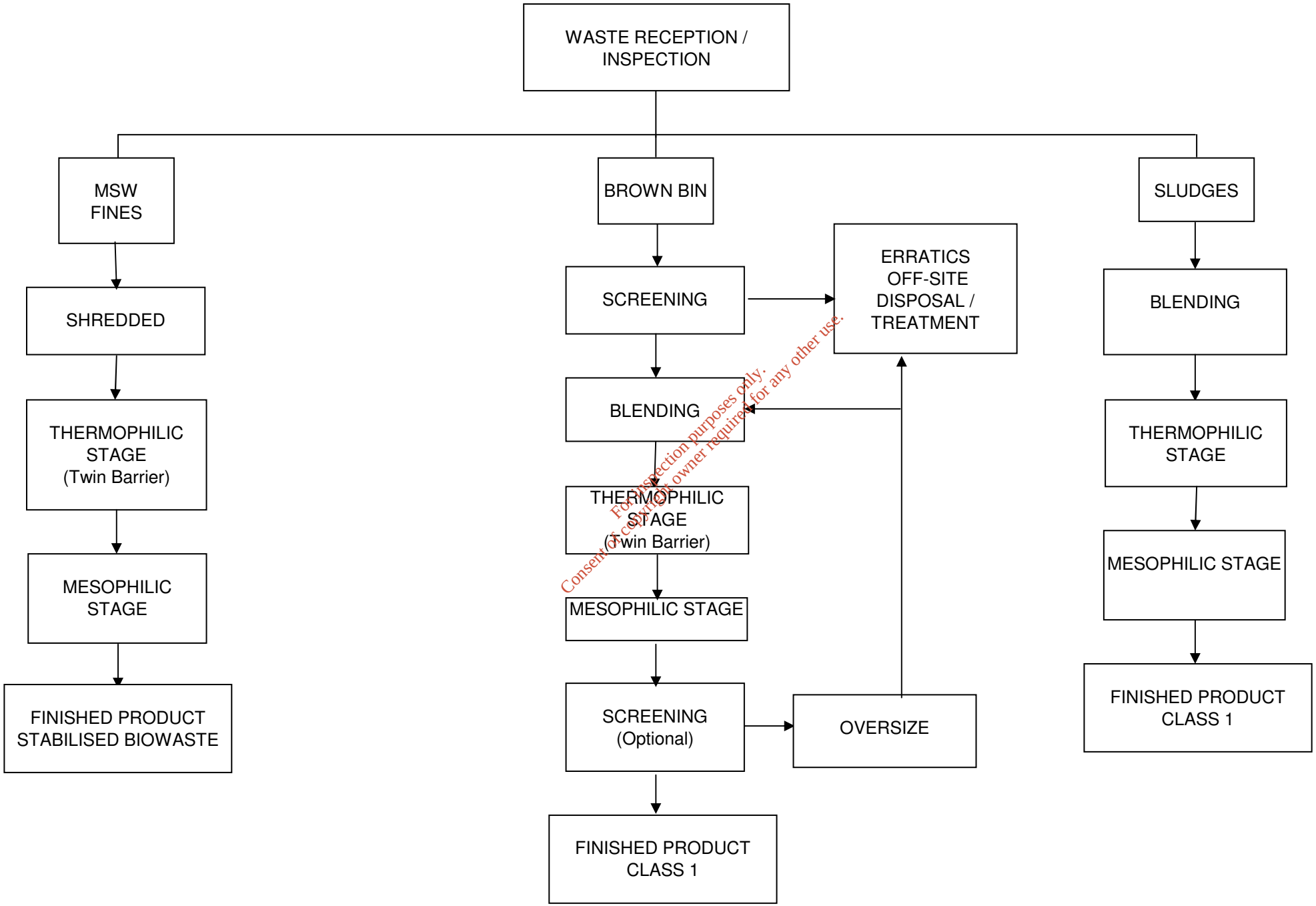
Sections 5.4, 5.7 and 5.8 of the Project Description describes the operations and waste handling.

Process Control

A process flow diagram of the waste operations is included with this attachment.

Emissions

The potential emissions associated with facility operations include, surface water, waste water, noise, bioaerosols and dust. Further information on emissions is presented in Sections 6 and 7 of the Project Description.



ATTACHMENT E

Emissions

ATTACHMENT E.1

Emissions to Atmosphere

Attachment E.1 Emissions to Atmosphere

The potential emissions to the atmosphere from the facility include dust, traffic emissions, odour and bioaerosols. Section 6.5, 6.6 and 6.7 of the Project Description describes potential emissions to the atmosphere from the facility.

ATTACHMENT E.2

Emissions to Surface Water

Attachment E.2 Emissions to Surface Water

The emissions to the surface water drainage system are described in Section 6.1 of the Project Description.

ATTACHMENT E.3

Emissions to Sewers

Attachment E.3 Emissions to Sewer

The on-site sanitary facilities are described in Section 4.7 and 4.8 of the Project Description.

It is proposed to install a secondary wastewater treatment system and new percolation area downgradient the septic tank and the existing percolation area. The treatment plant and percolation will be designed and installed in accordance with guidance in the Agency's Wastewater Treatment Manual, Treatment System for Single Houses.

Sections 4.8 and 6.3 of the Project Description describe the proposed runoff and leachate infrastructure for the composting area.

ATTACHMENT E.4

Emissions to Groundwater

Attachment E.4 Emissions to Groundwater

Section 6.2 of the Project Description describes the potential emissions to groundwater from the facility.

ATTACHMENT E.5

Noise Emissions

Attachment E.5 Noise Emissions

Section 6.4 of the Project Description describes the noise emissions from the facility.

ATTACHMENT E.6

Environmental Nuisances

Attachment E.6 Environmental Nuisances

Environmental nuisances (bird, litter, odour and vermin control) are described in Sections 6.6 and 5.12 of the Project Description.

ATTACHMENT F

Control & Monitoring

ATTACHMENT F.1

Treatment, Abatement and Control Systems

Attachment F.1 Emissions and Abatement

The only emission to groundwater from the facility is the percolation area serving the existing septic tank. Controls for emissions to groundwater are described in Section 6.2 of the Project Description.

Emissions and control measures for surface water are dealt with in Section 6.1 of the Project Description. Emissions and control for air are described in Section 6.5, 6.6 and 6.7 of the Project Description.

ATTACHMENT F.2

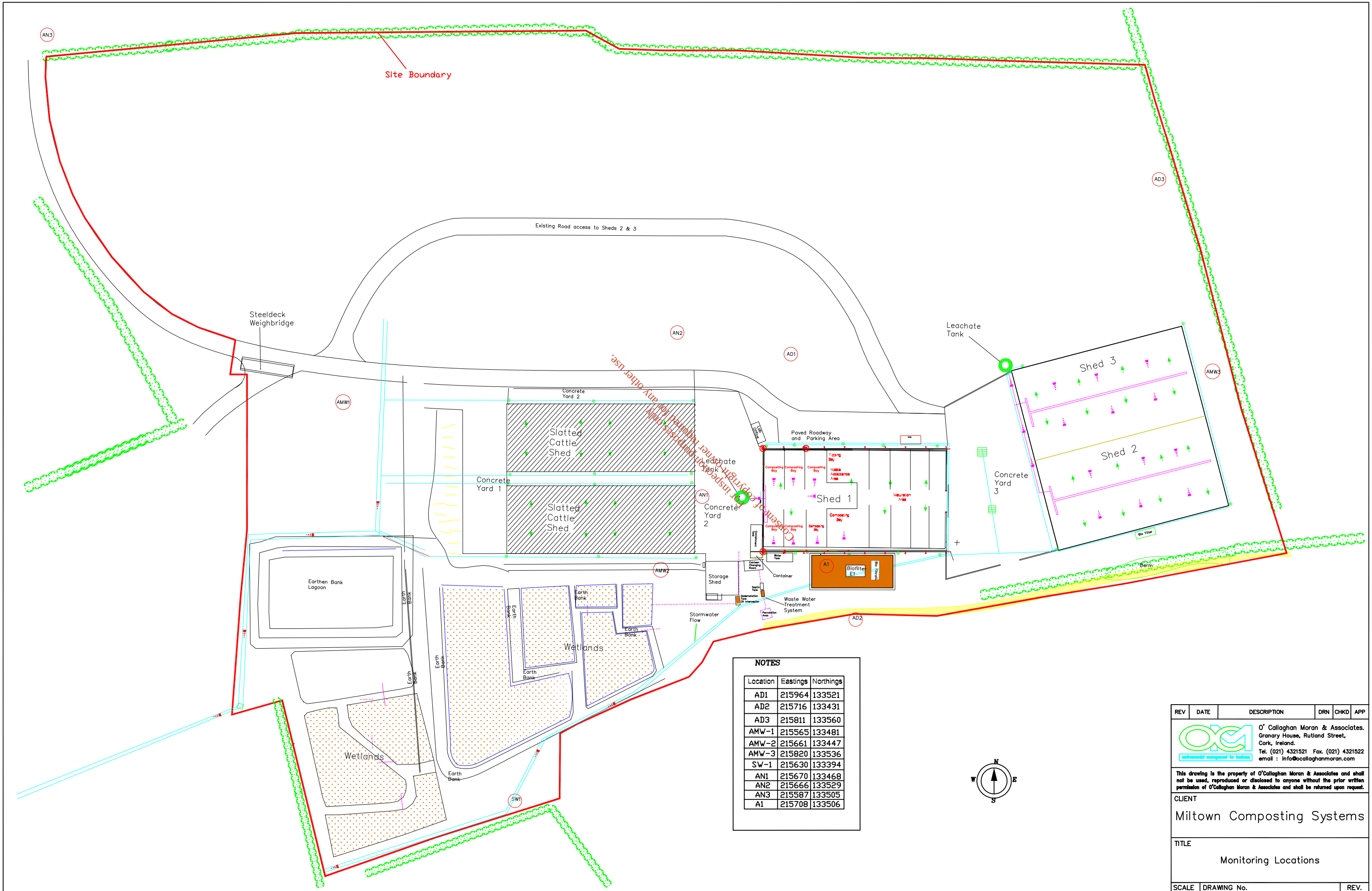
Monitoring & Sampling Points

Attachment F.2 Air Monitoring & Sampling Points

The dust and biofilter monitoring to be carried out at the facility is described on Table F2.1 below and the locations are shown on Drawing No. 3 which accompanies this attachment.

Table F2.1

Name	Locations	Frequency	Parameter	Methodology
Dust (AD1, AD2, AD3)	3 No. See Drawing No. 3	Annually	Inorganic, Organic & Total Dust	VDI2119 (Measurement of Dustfall, Determination of Dustfall using Bergerhoff Instrument
Biofilter (A1)	1 No. See Drawing No. 3	Annually	Ammonia, Hydrogen Sulphide, Mercaptans	



NOTES

Location	Eastings	Northings
AD1	215964	133521
AD2	215716	133431
AD3	215811	133560
AMW-1	215565	133481
AMW-2	215661	133447
AMW-3	215820	133536
SW-1	215630	133394
AN1	215670	133468
AN2	215666	133529
AN3	215587	133505
A1	215708	133506

REV	DATE	DESCRIPTION	DRN	CHKD	APP

O' Callaghan Moran & Associates.
Granary House, Rutland Street,
Cork, Ireland.
Tel. (021) 4321521 Fax. (021) 4321522
email : info@ocallaghanmoran.com

CLIENT

Miltown Composting Systems

TITLE

Monitoring Locations

SCALE	DRAWING No.	REV.
1:1000 A3	3	

ATTACHMENT F.3

Surface Water

Attachment F.3 Surface Water Monitoring

The surface water monitoring to be carried out at the facility is described on Table F3.1 below and the locations are shown on Drawing No. 3 which accompanies Attachment F2.

Table F3.1

Name	Locations	Frequency	Parameter	Methodology
Surface Water (SW-1)	1 No. See Drawing No. 3	Annually	pH, electrical conductivity, biochemical oxygen demand, total suspended solids and ammonia	ISO/CEN approved or equivalent

ATTACHMENT F.4

Sewer Discharge

Attachment F.4 Sewer Discharge

There is no connection to a foul sewer and sewage from the toilets and canteen is discharged to an on-site septic tank. It is proposed to install a secondary treatment system and percolation area to treat effluent from the septic tank. More details on the proposed system are provided in Appendix 6 of the Project Description.

Leachate from the compost area will be collected in an underground storage tank and recirculated back into the in-vessel units. Surplus leachate will be removed as required to a waste water treatment plant. It is not proposed to carry out routine monitoring of this as part of the waste licence. Monitoring will be carried out as requested by the operator of the waste water treatment plant.

ATTACHMENT F.5

Groundwater Monitoring

Attachment F.5 Groundwater Monitoring

There will be no direct emissions to groundwater from the facility.

There are three groundwater monitoring wells on the site which will be monitored annually for the parameters listed in Table F5.1 and as shown on Drawing No. 3 included with Attachment F2.

Table F5.1:

Name	Locations	Frequency	Parameter	Methodology
Groundwater (AMW1, AMW2, AMW3)	3 No. See Drawing No. 3	Annually	pH electrical conductivity, ammonia, nitrate, chloride and faecal and total coliforms	ISO/CEN approved or equivalent

ATTACHMENT F.6

Noise

Attachment F.6 Noise

Noise monitoring will be carried out annually at the facility as described on Table F6.1 and at the locations shown on Drawing No. 3 which is included with Attachment F2.

Table F.6.1

Name	Locations	Frequency	Parameter	Methodology
Noise (AN1, AN2, AN3)	3 No. See Drawing No 3	Annually	L(A)EQ [30 minutes] L(A)10 [30 minutes] L(A)90 [30 minutes] Frequency Analysis(1/3 Octave band analysis)	ISO 1996. Acoustics - Description and Measurement of Environmental Noise. Parts 1, 2 and 3."

ATTACHMENT G

Resources Use & Energy Efficiency

ATTACHMENT G.1

Raw Materials & Energy

Attachment G.1 Raw Materials and Energy

With the exception of the wastes described in Section E of the application form, the other materials, intermediates and products that may be used on-site include diesel, engine and hydraulic oil for the plant and water and electricity. In 2008 approximately 520,000 units of electricity and 156,000 litres of diesel were used at the facility.

ATTACHMENT G.2

Energy Efficiency

Attachment G.2 Energy Efficiency

An energy audit will be carried out to determine possible cost–saving and energy-saving measures following issue of the licence.

ATTACHMENT H

Materials Handling

ATTACHMENT H.1

Waste Types & Quantities

Attachment H.1 Waste Types & Quantities

Table H.1.1 Total Waste Inputs

Waste Type	Main EWC Codes	Tonnes / Year
Source separated household and commercial organic waste	20 01 08	7,000
MSW Fines	19 12 12	10,000
Industrial, municipal and commercial sludges	19 08 05 19 08 12 20 01 25 02 05 02 02 02 04	6000
Other non-hazardous biological wastes	See Table enclosed with Attachment B7	1,500
Total		**24,500**

Note : The actual quantities of each type may vary, depending on market conditions

ATTACHMENT H.2

Waste Acceptance Procedures

Attachment H.2 Waste Acceptance Procedures

Section 5.7 of the Project Description describes the waste acceptance procedures.

ATTACHMENT H.3

Waste Handling

Attachment H.3 Waste Handling

Waste handling and composting procedures are outlined in Section 5.8 of the Project Description.

ATTACHMENT H.4

Waste Arisings

Attachment H.4 Waste Arisings

The facility will generate small volumes of office and canteen wastes associated with the employees. The operator will operate a source segregation policy to maximise the recovery of potential recyclable from the office/canteen waste. All recovered materials will be transferred off-site to EPA or Local Authority approved and licensed/permitted recovery/recycling facilities.

Details on the waste water that will be produced at the site is described in Section 5.11.2 of the Project Description.

ATTACHMENT I

Existing Environment & Impact of the Facility

ATTACHMENT I.1

Air

Attachment I.1 Air

An assessment of the ambient air quality at the site is presented in Section 6.5 of the Project Description. An assessment of the atmospheric emissions and impacts is included in Section 7.1.1 of the Project Description. Emissions to air are considered unlikely to either impair the environment, or cause air pollution.

ATTACHMENT I.2

Surface Water

Attachment I.2 Surface Water

The emissions to surface water are discussed in Sections 4.7 and 6.1 of the Project Description.

ATTACHMENT I.3

Sewer

Attachment I.3 Sewer

There is no discharge to sewer from the facility. Sanitary wastewater is discharged to an on-site septic tank. It is proposed to install a secondary treatment system and percolation area to treat effluent from the septic tank.

ATTACHMENT I.4

Hydrogeology

Attachment I.4 Hydrogeology

Section 3.5 of the Project Description describes the local hydrogeological conditions.

ATTACHMENT I.5

Ground Contamination

Attachment I.5 Ground Contamination

There will be no direct long-term emissions to ground or groundwater. The provision of paved areas for waste inspection and secondary containment of oil storage minimises the potential for short term direct or indirect discharges to ground or groundwater.

ATTACHMENT I.6

Noise

Attachment 1.6 Noise

An assessment of the noise emissions is discussed in Section 6.4 of the Project Description.

ATTACHMENT I.7

Ecology

Attachment I.7 Ecology

There are no undisturbed areas on the site and an ecology survey was not deemed necessary.

ATTACHMENT J

Accident Prevention & Emergency Response

ATTACHMENT J.1

Accident Prevention & Emergency Response

Attachment J.1 Accident Prevention & Emergency Response

The on-site potential for unauthorised or unexpected releases to the environment is considered to be confined to incidents such as fire and spills. Miltown Composting will prepare an Emergency Response Procedure, which will be forwarded to the Agency for approval before operations begin. The procedure will ensure a rapid response to any incident by trained staff and minimise the impact on the environment of any associated emissions.

ATTACHMENT K

Remediation, Decommissioning, Restoration and Aftercare

ATTACHMENT K.1

Decommissioning

Attachment K.1 Decommissioning

There is no short or long term proposal to shut down or decommission any element of the waste recovery facility. In the unlikely event that the facility has to close, the shut down will be carried out in accordance with the measures set out in a Decommissioning Plan which will be agreed with the Agency.

ATTACHMENT K.2

Aftercare Management Plan

Attachment K.2 Aftercare Management Plan

It is not anticipated that the waste processing activities will cease in the medium to long term. In the unlikely event that the facility shuts down it will be decommissioned in accordance with a Decommissioning Plan which will be agreed with the Agency. Post closure measures for the monitoring and maintenance of the waste recovery areas will be agreed with the Agency.

ATTACHMENT L

Statutory Requirements

ATTACHMENT L.1

Section 40 WMA

Attachment L.1 Section 40 WMA

Details of the emissions from the facility are presented in Section 6 and 7 of the Project Description. The emissions will not result in the contravention of any relevant standard or emission limit prescribed under enactment. The development is consistent with the South East Region Joint Waste Management Plan.

The site activities are based on best management practice and take into consideration the BAT Guidance Note for the Waste Sector: Waste Transfer Activities published by the EPA. The facility operations, when carried out in accordance with licence conditions, will not cause environmental pollution. The facility manager has completed the Cre Certificate in Compost Facility Operation course in 2008 and the FAS Waste Management Course in 2007.

Energy will be used efficiently in the carrying out of the activities. Necessary measures will be taken to ensure limited consequences for the environment from accidents or the permanent cessation of activities at the site.

ATTACHMENT L.2A

Offences & Convictions

Attachment L.2A Offences and Convictions

In September 2008 at Clonmel District Court, Milltown Composting was convicted of an offence under section 32.2 of the Waste Management Act 1996 and David Ronan, a Director of Milltown Composting, was convicted of an offence under section 3 of the Water Pollution Act. These offences are not prescribed offences for the purposes of section 40.7 of the Waste Management Act. David Ronan and Milltown Composting both pleaded to the charges, co-operated fully with the Council and took all the necessary mitigation measures and there was no impact on the environment**.**

ATTACHMENT L.2B

Technical Competence & Site Management

Attachment L.2B Technical Competence and Site Management

Details of the proposed facility management structure are provided below: -

- Facility Manager,
- Assistant Manager,
- Machine Operators

Miltown Composting will ensure that the staff are provided with the appropriate training to ensure that the facility is managed in accordance with the Waste Licence conditions and in a manner that does not result in environmental pollution. The Facility Manager, Mr Neill Barry, completed the Cre Certificate in Compost Facility Operation course in 2008 and the FAS Waste Management Course in 2007. The Assistant Manager, Mr. Philip Maher, completed the Cre Certificate in Compost Facility Operation course in 2008

ATTACHMENT L.2C

Financial Provision

Attachment L.2C Financial Provision

In the extremely unlikely event of the unexpected closure and/or bankruptcy of the facility the decommissioning plan of the application will be implemented. Miltown Composting will provide the Agency with the appropriate form of guarantee for this amount by way of a bond or other financial instrument as may be specified by the Agency.