

BioPower Limited

Office of Climate, Licensing & Resource Use,
Environmental Protection Agency,
P0 Box 3000,
Johnstown Castle Estate,
Co. Wexford

30 December 2009

RE: Waste Licence Application for facility at Ballinphuill, Tibohine, Castlerea, Co Roscommon

Dear Sir / Madam,

Please find enclosed the following documentation for waste licence application for proposed anaerobic digestion facility at Ballinphuill, Tibohine, Castlerea, Co Roscommon:

- 3 hardcopies copies of the application form (1 original and 2 copies)
- 3 hardcopies copies of the waste licence attachments (1 original and 2 copies)
- 3 hardcopies copies of the Environmental Impact Statement (1 original and 2 copies)
- 2 electronic copies of all of the waste licence application documents and drawings in searchable PDF format
- 16 electronic copies of all of the EIS documents and figures in searchable PDF format
- Application Fee €10,000

Please can you send all correspondence in relation to this application to Mr. Tony Dineen, BioPower Ltd, 48 Main Street, Schull, Co. Cork.

Yours faithfully





Waste Licence Application Form

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EPA Ref. N^o: <i>(Office use only)</i>	<input type="text"/>
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This document does not purport to be and should not be considered a legal interpretation of the provisions and requirements of the Waste Management Acts 1996 to 2003.

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



WASTE Application Form

Environmental Protection Agency
Application for a Waste Licence

WASTE MANAGEMENT ACTS 1996 to 2003

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INTRODUCTION

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

The applicant must conform to the format set out in the guidance notes for applications. Each page of the completed application form must be numbered, e.g. *page 5 of 45*, etc. Also duplicated pages from the application form should be uniquely numbered, e.g. page 5(i) of 45, etc. **The basic information should for the most part be supplied in the spaces given in application form** and any supporting documentation should be supplied as attachments, as specified. Consistent measurement units must be used throughout.

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

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

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

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

Information supplied in this application, including supporting documentation will be put on public display and open to inspection by any person. Should the applicant consider information to be confidential, this information should be submitted in a separate enclosure bearing the legend “ In the event that this information is deemed not to be held as confidential, it must be returned to”. In the event that information is considered to be of a confidential nature, then the nature of this information, and the reasons why it is considered confidential (with reference to the “ Access to Information on the Environment” Regulations) should be stated in the Application Form, where relevant.

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

CHECKLIST

Articles 12 and 13 of the Waste Management (Licensing) Regulations, 2004 (S.I. No. 395 of 2004) set out the information which must, in all cases, accompany a waste licence application. In order to ensure that the application fully complies with the legal requirements of Articles 12 and 13 of the 2004 Regulations, all applicants should **complete** the following.

In each case, refer to the attachment number(s) of your application which contain(s) the information requested in the appropriate sub-article.

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

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

LOCATION	Section B.1		
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>	

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

LOCATION	Section B.3		
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>	

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

LOCATION	Not Applicable		
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>	

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

LOCATION	Section B.2		
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>	

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

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LOCATION	Sections D & H	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

LOCATION	Section B.7	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

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

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

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

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

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

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

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

WASTE Application Form

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

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

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

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

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

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

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

LOCATION	Section H.4	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

LOCATION	Section H.4	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

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

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

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

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

(i) such financial provision as is proposed to be made by the applicant, having regard to the provisions of Articles (7)(i) and (8)(a)(iv) of the Landfill Directive and section 53(1) of the Act, and

LOCATION	Not Applicable	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

LOCATION	Not Applicable	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

LOCATION	Section B.8	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

LOCATION	Not Applicable	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

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

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

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

LOCATION	Attachment B.6	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

LOCATION	Attachment B.6	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

LOCATION	Attachment B.3	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(d) a copy of such plans (appropriately scaled and no larger than A3 size), including a site plan or plans and location map or maps, and such other particulars, reports and supporting documentation as are necessary to identify and describe, as appropriate -
 (i) the position of the notice in accordance with article 7,

LOCATION	Attachment B.6	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

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

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

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

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

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

Article 12(5)(a) & (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 <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

Article 13 Where a development requires an Environmental Impact Assessment to be carried out, 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	Y	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>
3 HARD COPIES OF EIS INCLUDED ? Y/N	Y	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>
16 CD versions of EIS, as PDF files, PROVIDED? Y/N	Y	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

PROCEDURES

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

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

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

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

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

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

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

Information supplied in this application, including supporting documentation will be put on public display and be open to inspection by any person. **Should the applicant**

consider information to be confidential, then the nature of this information, and the reasons why it is considered confidential should be clearly stated in an attachment to the Application Form. This information should be submitted in a separate enclosure bearing the legend “In the event that this information is deemed not to be held as confidential, it must be returned to (representative of the applicant)”.

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

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

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

- All drawings submitted should be titled and dated.
- They should have a **unique reference number** and should be signed by a clearly identifiable person.
- They should indicate a scale and the **direction of north**.
- All drawings should, generally, be to a scale of between 1:20 to 1:500, depending upon the degree of detail needed to be shown and the size of the facility. Drawings delineating the boundary can be to a smaller scale of between 1:1000 to 1:10560, but must clearly and accurately present the required level of detail. Drawings showing the site location can be to a scale of between 1:50 000 to 1:126 720. All drawings should, however, be A3 or less and of an appropriate scale such that they are clearly legible. Provide legends on all drawings and maps as appropriate.

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

SECTION A NON-TECHNICAL SUMMARY

A Non-Technical Summary is to be submitted. The summary should include information on those aspects outlined in the Guidance Note and must comply with the requirements of Article 12 (1) (u) of the Waste Management (Licensing) Regulations, S.I. 395 of 2004.

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

See Attachment A.1 Non Technical Summary

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SECTION B GENERAL**B.1 Applicant's Details****Name*:** ADPower Roscommon Ltd**Address:** Ballinphuill, Tibohine, Castlerea, Co Roscommon**Tel:** 028 27837**Fax:** Not Applicable**e-mail:** info@biopower.net

* 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: Tony Dineen**Address:** BioPower Ltd

48 Main Street

Schull

Co Cork

Tel: +353 28 27837**Fax:** Not Applicable**e-mail:** tdineen@biopower.net**Address of registered or principal office of Body Corporate (if applicable)****Address:** ADPower Roscommon Ltd

Ballinphuill, Tibohine, Castlerea, Co Roscommon

Tel: 028 27837**Fax:** Not Applicable**e-mail:** info@biopower.net

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

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



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

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

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

Name: Not Applicable

Address:

Tel:

Fax:

e-mail:

Name and address of the current* owner(s) and lessees of the land, buildings and ancillary plant on which the activity is or will be situated (if different from applicant named above). An appropriately scaled drawing (≤A3) showing the above details should be included in Attachment B1.

Name: Kevin Flynn

Address: Rathra House, Tibohine, Frenchpark, Co Roscommon

Tel:

Fax: Not Applicable

e-mail: Not Applicable

*Current at the time the application is submitted

B.2 Location of Activity

Name: ADPower Roscommon Ltd

Address*: Ballinphuill, Tibohine, Castlerea, Co Roscomon

Tel: 028 27837

Fax: Not Applicable

e-mail: info@biopower.net

* Include any townland

National Grid Reference (8 digit 4E,4N)	1666E, 2935N
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Location maps ($\leq A3$), appropriately scaled, with legible grid references should be enclosed in **Attachment B.2**. The site boundary must be outlined on the map in colour.

B.3 Planning Authority

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

Name: Roscommon County Council

Address: Roscommon County Council, The Courthouse,
Roscommon, Co Roscommon

Tel: 090 6637100

Fax: Not Applicable

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

Planning Permission relating to this application:-

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

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Local Authority Planning File Reference N^o:	08/656
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Attachment B.3 should contain *the most recent* planning permission, including a copy of *all* conditions, and the required copies of any EIS should also be enclosed. For existing activities, **Attachment B.3** should also contain copies of the most recent waste licence and any permits in force at the time of submission. Where planning permission is not required for the development, provide reasons, relevant correspondence, *etc.*



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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: Western Health Board

Address: Environmental Health Centre,

Ballaghadereen,

Co Roscommon

Tel: 094 9860639

Fax: 094 9860450

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B.6 Notices and Advertisements

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

Attachment B.6 should contain a copy of the site notice and an appropriately scaled drawing (≤A3) showing its location on site. The original application must include the complete newspaper in which the advertisement was placed. The relevant page of the newspaper containing the advertisement should be included with the original and three copies of the application.

B.7 Type of Waste Activity, Tonnages & Fees

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

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

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

Waste Management Acts 1996 to 2003					
THIRD SCHEDULE Waste Disposal Activities		Y/N	FOURTH SCHEDULE Waste Recovery Activities		Y/N
1. Deposit on, in or under land (including landfill).		N	1. Solvent reclamation or regeneration.		N
2. Land treatment, including biodegradation of liquid or sludge discards in soils.		N	2. Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes).		P
3. Deep injection of the soil, including injection of pumpable discards into wells, salt domes or naturally occurring repositories.		N	3. Recycling or reclamation of metals and metal compounds.		N
4. Surface impoundment, including placement of liquid or sludge discards into pits, ponds or lagoons.		N	4. Recycling or reclamation of other inorganic materials.		N
5. Specially engineered landfill, including placement into lined discrete cells which are capped and isolated from one another and the environment.		N	5. Regeneration of acids or bases.		N
6. Biological treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 5 or paragraphs 7 to 10 of this Schedule.		N	6. Recovery of components used for pollution abatement.		N
7. Physico-chemical treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 5 or paragraphs 8 to 10 of this Schedule (including evaporation, drying and calcination).		N	7. Recovery of components from catalysts.		N
8. Incineration on land or at sea.		N	8. Oil re-refining or other re-uses of oil.		N
9. Permanent storage, including emplacement of containers in a mine.		N	9. Use of any waste principally as a fuel or other means to generate energy.		Y
10. Release of waste into a water body (including a seabed insertion).		N	10. The treatment of any waste on land with a consequential benefit for an agricultural activity or ecological system.		N
11. Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.		N	11. Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.		N
12. Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.		N	12. Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.		N
13. Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.		N	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)	24,999
Year	2012

B.7.3 FEES

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

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

TABLE B.7.4 (FOR A LANDFILL APPLICATION) NOT APPLICABLE

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

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

B.8 SEVESO II DIRECTIVE

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

Regulations Apply	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
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If yes, **Attachment B.8** should include the relevant details. Supporting information, as well as copies of any Hazardous Operation Studies (HAZOP) carried out for the site, should also be included in the attachment.

SECTION C MANAGEMENT OF THE FACILITY

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

C.1 Technical Competence and Site Management

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

Details of the applicant’s experience and qualifications, along with that of other relevant employees, should be summarised as shown below. Statements of duties, responsibilities, experience and qualifications should be submitted for each position named below. Additional information, including the management structure and an organisational chart, should be included in **Attachment C 1**.

Name	Position	Duties and Responsibilities	Experience /Qualifications

SEE ATTACHMENT C.1 for details of technical competence and management

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	See Attachment D1
D.1.b	Designs for site roads	Y	See Attachment D1
D.1.c	Design of hardstanding areas	Y	See Attachment D1
D.1.d	Plant	Y	See Attachment D1
D.1.e	Wheel-wash	Y	See Attachment D1
D.1.f	Laboratory facilities	Y	See Attachment D1
D.1.g	Design and location of fuel storage areas	Y	See Attachment D1
D.1.h	Waste quarantine areas	Y	See Attachment D1
D.1.i	Waste inspection areas	Y	See Attachment D1
D.1.j	Traffic control	Y	See Attachment D1
D.1.k	Sewerage and surface water drainage infrastructure	Y	See Attachment D1
D.1.l	All other services	Y	See Attachment D1
D.1.m	Plant sheds, garages and equipment compound	Y	See Attachment D1
D.1.n	Site accommodation	Y	See Attachment D1
D.1.o	A fire control system, including water supply	Y	See Attachment D1
D.1.p	Civic amenity facilities	N	Not Applicable
D.1.q	Any other waste recovery infrastructure	N	Not Applicable
D.1.r	Composting infrastructure	N	Not Applicable
D.1.s	Construction and Demolition waste infrastructure	N	Not Applicable
D.1.t	Incineration infrastructure (if applicable). Provide information to fulfil Article 4 (2) & (3) of the Incineration of Waste Directive	N	Not Applicable
D.1.u	Any other infrastructure	N	Not Applicable

D.2 Facility Operation

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

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

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

NOT APPLICABLE

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	<p>Is there a Landfill Gas Management Plan?</p> <p>Provide estimates of the volumes of landfill gas which will be produced by the waste disposed of in the site for the next 20 years, and compare to the EPER list for methane:</p>		
D.5b	Is there a passive venting system?		
D.5c	Does the passive system cover all of the filled area?		
D.5d	Have gas alarm systems been installed in the site buildings?		
D.5e	Have measures been installed to prevent landfill gas migration (e.g. barriers)?		
D.5f	Has a time-scale been proposed for the installation of landfill gas infrastructure?		
D.5g	Is gas flaring undertaken at the site?		
D.5h	Is there an active (i.e., pumped) landfill gas extraction system?		
D.5i	Does the active system cover all of the filled area?		
D.5j	Is landfill gas used to generate energy at the site?		
D.5k	Have emissions from the flarestack and utilisation plant been assessed for source, composition, quantity and level and rate?		
D.5l	Has a maintenance programme for the control system been specified?		
D.5m	Has a condensate removal system been designed?		

D.6 Capping System

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

Table D.6 Capping System

		y/n	Comments
D.6a	Has the daily cover been specified?		
D.6b	Has the intermediate cover been specified?		
D.6c	Has the temporary capping been specified?		
D.6d	Has the Capping System been designed and does it meet the requirements of the Landfill Directive Annex 1 (3.3)?		
D.6e	Does the Capping System include a flexible membrane liner?		
D.6f	Have all capping materials been specified?		
D.6g	Has a Method Statement for construction been produced?		
D.6h	Has a Quality Control Plan been produced?		
D.6i	Has a Quality Assurance Plan been produced?		
D.6j	Has a programme for monitoring landfill stability been developed?		
D.6k	Has a programme for monitoring landfill settlement been developed?		

SECTION E EMISSIONS

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

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

E.1 Emissions to Atmosphere

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

E.2 Emissions to Surface Waters

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

E.3 Emissions to Sewer

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

E.4 Emissions to Groundwater

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

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

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

E.5 Noise Emissions

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

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

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

E.6 Environmental Nuisances

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

TABLE E.6 ENVIRONMENTAL NUISANCES

Bird Control	Control method specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
	Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Dust Control	Control method specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
	Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Fire Control	Control method specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
	Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Litter Control	Control method specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
	Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Traffic Control	Control method specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
	Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Vermin Control	Control method specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
	Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Road Cleansing	Control method specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
	Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>

SECTION F CONTROL & MONITORING

F.1: Treatment, Abatement and Control Systems

Describe the proposed technology and other techniques for preventing or, where this is not possible, reducing emissions from the installation/facility. Details of treatment/abatement systems (air and effluent emissions) should be included, together with appropriately scaled schematics ($\leq A3$) as appropriate.

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

Attachment F.1 should contain any supporting information.

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

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

Include details of monitoring/sampling locations and methods.

F.2 Air
- to include Dust, Odour

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

F.3 Surface Water

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

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



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F.4 Sewer Discharge

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

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

F.5 Groundwater

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

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

F.6 Noise

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

F.7 Meteorological Data

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

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

F.8 Leachate

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

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

SECTION G RESOURCES USE & ENERGY EFFICIENCY**G.1 Raw Materials, Substances, Preparations and Energy**

Attachment G.1 should contain a list of all raw, product and ancillary materials, substances, preparations, fuels and energy which will be utilised in or produced by the activity. Information on any insecticides, herbicides or rat poisons etc. should also be provided with their respective data and safety sheets. The Standard Forms, provided in Annex 1, should be used in the description of these materials, substances, etc., where relevant. Additional advice on completing this section is provided in the *Guidance Note*.

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

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

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

H.1 Waste Types and Quantities – Existing & Proposed

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

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

Waste Management Act 3rd Schedule (Disposal) Activities		Waste Management Act 4th Schedule (Recovery) Activities	
Class of Activity Applied For	Quantity (tpa)	Class of Activity Applied For	Quantity (tpa)
Class 1		Class 1	
Class 2		Class 2	24,999
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	24,999
Class 10		Class 10	
Class 11		Class 11	
Class 12		Class 12	
Class 13		Class 13	24,999

Note all the classes marked are interlinked and the maximum throughput is expected to relate to each of the classes marked above during the anaerobic digestion process.

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	15,000		15,000
2011	20,000		20,000
2012	24,999		24,999



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

TABLE H.1 (C) WASTE TYPES AND QUANTITIES

WASTE TYPE	TONNES PER ANNUM (existing)	TONNES PER ANNUM (proposed)	TOTAL (over life of site) tonnes – over 20yrs
Household		20,000	400,000
Commercial			
Sewage Sludge		2,499	49,980
Construction and Demolition			
Industrial Non-Hazardous Sludges		2,500	50,000
Industrial Non-Hazardous Solids			
Hazardous *(Specify detail in Table H 1.2)			
Inert Waste imported for restoration purposes	COMPLETELY FOR LANDFILL & CONTAMINATED LAND FACILITIES ONLY For inspection purposes only. Consent of copyright owner required for any other use.		

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

HAZARDOUS WASTE	DETAILED DESCRIPTION * REFERENCE SHOULD BE MADE TO THE RELEVANT EUROPEAN WASTE CATALOGUE CODES AS PRESENTED BY COMMISSION DECISION 2000/532/EC	Tonnes Per Annum (Existing)	(Tonnes Per Annum Proposed)
Waste Oil			
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



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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 (m³) and tonnage (t) for their waste stream.

SECTION I EXISTING ENVIRONMENT & IMPACT OF THE FACILITY

Detailed information is required to enable the Agency to assess the existing environment. This section requires the provision of information on the ambient environmental conditions at the site prior to the commencement of waste management activities or prior to the receipt of a review application.

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

I.1. Assessment of atmospheric emissions

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

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

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

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

I.2. Assessment of Impact on Receiving Surface Water

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

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

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

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

I.3. Assessment of Impact of Sewage Discharge.

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

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

I.4 Assessment of impact of ground/groundwater emissions

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

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

I.5 Ground and/or groundwater contamination

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

Full details including all relevant investigative studies, assessments, or reports, monitoring results, location and design of monitoring installations, appropriately scaled plans/drawings ($\leq A3$), documentation, including containment engineering, remedial works, and any other supporting information should be included in **Attachment I.5.**

I.6 Noise Impact.

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

Ambient noise measurements

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

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



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- (ii) State the maximum Sound Pressure Levels which will be experienced at typical noise sensitive locations, outside the boundary of the operation.
- (iii) Give details of the background noise levels experienced at the site in the absence of noise from this operation.

Prediction models, appropriately scaled maps ($\leq A3$), diagrams and supporting documents, including details of noise attenuation and noise proposed control measures to be employed, should form **Attachment I.6**.

I.7 Assessment of Ecological Impacts & Mitigation Measures

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

SECTION J ACCIDENT PREVENTION & EMERGENCY RESPONSE

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

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

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

Supporting information should form **Attachment J**.

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

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

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

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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SECTION L STATUTORY REQUIREMENTS**L.1 Section 40(4) WMA**

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

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

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

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

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

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



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- 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 <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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SECTION M DECLARATION

Declaration

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

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

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

Signed by : Tony Dineen Date : 30/12/09
(on behalf of the organisation)

Print signature name: TONY DINEEN

Position in organisation : PROJECT MANAGER

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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
NO _x	mg/Nm ³ <small>0°C. 3% O₂(Liquid or Gas), 6% O₂(Solid Fuel)</small>
Maximum volume of emission	m ³ /hr
Temperature	°C(max) °C(min) °C(avg)

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

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



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

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

Characteristics of Emission :

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



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

Emission Point Reference Number: _____

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	

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



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

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

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

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

Emission Point:

Emission Point Ref. N ^o :	
Source of Emission:	
Location :	
Grid Ref. (10 digit, 5E,5N):	
Name of receiving waters:	
Flow rate in receiving waters:	<p>_____ m³.sec⁻¹ Dry Weather Flow</p> <p>_____ m³.sec⁻¹ 95%ile flow</p>
Available waste assimilative capacity:	_____ kg/day

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Emission Details:

(i) Volume to be emitted



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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
---------------------------	--------------	--------------	--------------

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

Emission point reference number : _____

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	

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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
---------------------------	--------------	--------------	--------------

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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	

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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.)	
Location :	
Grid Ref. (10 digit, 5E,5N):	
Elevation of discharge: (relative to Ordnance Datum)	
Aquifer classification for receiving groundwater body:	
Groundwater vulnerability assessment (including vulnerability rating):	
Identity and proximity of groundwater sources at risk (wells, springs, etc):	
Identity and proximity of surface water bodies at risk:	

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Emission Details:

(i) Volume to be emitted			
Normal/day	m 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
---------------------------	--------------	--------------	--------------

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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		

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

TABLE F.1: ABATEMENT / TREATMENT CONTROL

Emission point reference number : _____

Control ¹ parameter	Equipment ²	Equipment maintenance	Equipment calibration	Equipment back-up

Control ¹ parameter	Monitoring to be carried out ³	Monitoring equipment	Monitoring equipment calibration

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.



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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

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

Monitoring Point Reference No : _____

Parameter	Monitoring frequency	Accessibility of Sampling point

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

Ref. N^o 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 N^o 77/94
 3. c.f. Schedules 2 and 3 of SI N^o 77/94

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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			

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

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

Waste material	EWC Code	Main source 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

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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							

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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							

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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°C)							
Calcium Ca							
Cadmium Cd							
Chromium Cr							
Chloride Cl							
Copper Cu							
Cyanide Cn, total							
Iron Fe							
Lead Pb							
Magnesium Mg							
Manganese Mn							
Mercury Hg							
Nickel Ni							
Potassium K							
Sodium Na							

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GROUNDWATER QUALITY (SHEET 2 OF 2)

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

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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.

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APPLICATION ATTACHMENTS

Attachment A – Non Tech Summary

- Figure B.1 Site Location Map
- Figure B.2 Site Plans
- Drawing 2 Process Technology Drawing
- Figure D.1 Anaerobic Digestion Layout
- Figure F.1 Proposed Monitoring Locations

Attachment B – General Information

Attachment B.1 – Company Information

- Certificate of Incorporation

Attachment B.2 – Location of Activity

- Figure B.1 Site Location
- Figure B.2 Land Ownership; Application Site Boundary & Site Notice Location

Attachment B.3 – Planning Authority

- Copy of Notice of the Application to the Local Planning Authority (
- Copy of Planning Permission (ref 08/656)
- Waste Facility Permit (Ref No. WFP-RN-09-0001-01)

Attachment B.6 – Notices & Advertisements

- Copy of the Site Notice (Figure B.2 indicates the location of the site notice)
- Newspaper Notice

Attachment C -Management of the Installation

Attachment D – Infrastructure and Operation

Attachment D.2.a

- Drawing 2 (Process Technology)
- Figure D.1 Anaerobic Digestion Layout

Attachment E – Emissions

Attachment F – Monitoring & Control

Attachment F.2

- Figure F.1 Proposed Monitoring Locations

Attachment G - Resource Use and Energy Efficiency

Attachment H – Materials Handling

Attachment I – Existing Environment & Impact of the Facility

Attachment J – Accident Prevention and Emergency Response

Attachment K – Remediation, Decommissioning, Restoration & Aftercare

Attachment L – Statutory Requirements

Attachment L.2

- BioPowers Audited Accounts

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ATTACHMENT A - NON TECHNICAL SUMMARY

This Non-Technical Summary has been prepared in accordance with Article 12(1)(u) of the Waste Management (Licensing) Regulations S.I. 395 of 2004. Sub-articles (a) to (t) of Article 12 are addressed below.

For clarity, the paragraph numbering is in accordance with the numbering of Article 12(1), (a) to (t).

Article 12(1)**(a) Applicant Details**

AD Power Roscommon Ltd
Ballinphuill,
Tibohine,
Castlerea,
Co Roscommon

Tel: 028 27837

Registered Company No: 470612

Name & Address for Correspondence

Tony Dineen
BioPower Ltd
48 Main Street
Schull
Co Cork

(b) Planning Authority

The development is proposed for a site in the functional area of Roscommon County Council:

Roscommon County Council
The Courthouse Roscommon
Co Roscommon

(c) Sanitary Authority

Not Applicable

(d) Location

The proposed facility will be located in the townlands of Ballinphuill, Tibohine, Castlerea, Co Roscommon (See Figure B.1). The National Grid reference for the site is:

E 1666N 2935

(e) Nature of the Development

ADPower Roscommon Ltd. propose to construct an anaerobic digestion plant capable of receiving up to 24,999 tonnes of biodegradable waste per annum, at Ballinphuill, Tibohine, Castlerea, Co Roscommon. The facility will incorporate the use of the Best Available Techniques (BAT). Incoming waste will comprise source separated organic waste from households and commercial premises and non hazardous industrial sludges and sewage sludges.

The site is located in an agricultural area, located off the main N5 Westport – Longford Road. Access to the site is via a county road which junctions the N5. The proposed site is a 6 acre site situated within a block of 30 acres of up to 10 year old forestry. The plantation is primarily coniferous, with deciduous trees circling. A cul-de-sac country road is present to the west of the proposed site, with a spur of this country road also present along the northern boundary of the site. The National N5 Road bounds the southern perimeter of the land under the applicants ownership. Agricultural grass land is located to the east of the site. Ballaghadereen is the nearest town and is located some 5km to the north west of the site.

There is a critical need to provide infrastructure for the treatment of biodegradable waste diverted from landfill in accordance with EU and national requirements. The proposal by ADPower Roscommon Ltd. will provide much needed infrastructure to treat biodegradable waste.

Hours of Operation

- a) Proposed hours of operation
Staff will be on site from 7.45am to 5.45pm Mon-Sat.

The anaerobic digestion process will operate continuously. However, waste acceptance will be conducted only during the hours of operation specified in (b).

- b) Proposed hours of waste acceptance/handling

Waste acceptance 08:00 to 17:00 Mon-Sat including bank holidays. No deliveries on Sundays.

(f) Class of Activity

In accordance with the Third and Fourth Schedules of the Waste management Acts, 1996 to 2008, it is proposed to carry out the following classes of activity at the facility:

Waste Recovery Activities, in accordance with the Fourth Schedule of the Waste Management Acts 1996 to 2008

Class 2.	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes).
	This is the Principal Activity
Class 9.	Use of any waste principally as a fuel or other means to generate energy.
Class 13.	Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced

(g) Quantity of Nature of Waste (EWC Code)

It is proposed to accept up to 24,999 tonnes per annum at the anaerobic digestion plant. The proposed quantities are given below in tonnes per annum.

Waste Type	Max Tonnes Per Annum
Household, Commercial & Industrial Source Separated Waste	20,000
Non-Hazardous Industrial Sludges	2,500
Sewage Sludge	2,499
Total	24,999

The tonnages given per waste type are estimates and will depend on market conditions and it is requested that flexibility be given to the make up of the overall tonnage of 24,999 tonnes in Conditions of the Waste Licence e.g. there may be greater quantities of sludge available than source separated biowaste.

The following waste types by EWC Code will be accepted at the facility.

Waste material	EWC Code	Main Source
Plant-tissue waste	02 01 03	Wastes from agriculture, horticulture & forestry
Sludges from washing and cleaning	02 02 01	Wastes from the preparation and processing of meat, fish and other foods of animal origin
Animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site	02 01 06	Wastes from the preparation and processing of meat, fish and other foods of animal origin
Materials unsuitable for consumption or processing	02 02 03	Wastes from the preparation and processing of meat, fish and other foods of animal origin
Sludges from on-site effluent treatment	02 02 04	Wastes from the preparation and processing of meat, fish and other foods of animal origin
Waste not otherwise specified	02 02 99	Wastes from the preparation and processing of meat, fish and other foods of animal origin
Sludges from washing, cleaning, peeling, centrifuging and separation	02 03 01	Wastes from fruit, vegetable & cereal ...
Materials unsuitable for consumption or processing	02 03 04	Wastes from fruit, vegetable & cereal ...
Sludges from on-site effluent treatment	02 03 05	Wastes from fruit, vegetable & cereal ...
Wastes not otherwise specified	02 03 99	Wastes from fruit, vegetable & cereal ...
Materials unsuitable for consumption or processing	02 05 01	Wastes from the dairy products industry
Sludges from on-site effluent treatment	02 05 02	Wastes from the dairy products industry
Wastes not otherwise specified	02 05 99	Wastes from the dairy products industry
Materials unsuitable for consumption or processing	02 06 01	Wastes from the baking and confectionery industry
Sludges from on-site effluent treatment	02 06 03	Wastes from the baking and confectionery industry
Waste not otherwise specified	02 06 99	Wastes from the baking and confectionery industry
Wastes from spirits distillation	02 07 02	Wastes from the production of alcoholic and non-alcoholic beverages
Materials unsuitable for consumption or processing	02 07 04	Wastes from the production of alcoholic and non-alcoholic beverages
Sludges from on-site effluent	02 07 05	Wastes from the production of alcoholic and non-

treatment		alcoholic beverages
Waste not otherwise specified	02 07 99	Wastes from the production of alcoholic and non-alcoholic beverages
Sludges from the physico/chemical treatment other than those mentioned in 19 02 05	19 02 06	wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
Sludges from the treatment of industrial waste water	19 08 04	wastes from waste water treatment plants not otherwise specified
sludges from treatment of urban waste water	19 08 05	wastes from waste water treatment plants not otherwise specified
Sludges from other treatment of industrial waste water other than those mentioned in 19 08 13	19 08 14	wastes from waste water treatment plants not otherwise specified
Biodegradable kitchen and canteen waste	20 01 08	Municipal wastes including separately collected fractions
Edible oil and fat	20 01 25	Municipal wastes including separately collected fractions
Biodegradable waste	20 02 01	Garden and park wastes
Septic tank sludges	20 03 04	other municipal wastes

(h) Raw Materials

The purpose of the facility is to convert biodegradable waste into energy through anaerobic digestion. The main raw material for the process is the biodegradable waste. To meet Animal By-Products Regulations requirements certain disinfectants will be required at the site. The chemicals used will be selected from the Department of Agriculture and Food approved list for facilities falling under the Animal By-Products Regulations. Diesel, lubricating oil and hydraulic oil will be used in the waste processing equipment. An onsite well will be used to provide water for the facility. The exact quantities to be used are unknown but will be continuously monitored from commencement of operation to improve efficiencies.

The anaerobic digestion will generate energy (electricity and heat). It is expected that 0.5MWe will be generated and the exact quantity will depend on the waste types being processed. Energy (electricity and heat) generated from the process will be used in the process. An energy audit will be conducted annually to ensure energy is being used efficiently.

(i) Plant, Processes and Operating Procedures

All treatment processes will be carried out within dedicated buildings. The following are a list of the unit operations involved in the anaerobic digestion process with a brief description of each.

The process should be looked at in conjunction with the attached process layout Drawing 2 (Process Technology) and Figure D.1 Anaerobic Digestion Layout.

A. Waste Delivery

Incoming loads of waste will be directed by plant personnel to the Reception building. The incoming lorry will proceed into the reception area after which the roller shutter door will close.

Suitable liquid sludge's (1%-15%DS (Dry Solids)) will be pumped to the low solids reception tank. Incoming wastes with a Dry Solids content of greater than 15% will be passed through a shredder and then transferred to the Anaerobic Digester feed tank.

This feed tank will also be fed by the low solids reception tank to ensure a waste mix of suitable DS% content. There will also be a dedicated glycerol feed tank (30m³) to feed the Anaerobic Digester feed tank.

B. Odour Control

The proposed facility includes a bio filter to treat the displaced air from the reception building and reception tanks. This bio filter is equipped with a radial fan and a water scrubber to treat (adjust temperature and humidity) the displaced air in front of the bio filter in order to attain the minimum requirements for airborne emissions. There is a proposed air exchange rate of 3 times per hour for the reception building.

C. Anaerobic Digester Feed tank

The Anaerobic Digester feed tank will be a 500m³ covered tank. This tank will be linked to the odour control system for odour control management. This feed tank will be preheated.

D. Pasteurisation

The macerated waste will be pumped to the pre-pasteurisation process. The pasteurisation conditions are:

- Minimum temperature of 70degC
- Retention time of a minimum of 1 hour
- Particle size ≤12mm

The pasteurization stage operates as a batch pasteurization tank system. Temperature records of each batch will be recorded and archived. A heat recovery system will be used to recycle the heat from the pasteurisation stage to the Anaerobic Digestion feed tank. There will be an E-coli sampling station at this stage.

E. Digestion

The described digestion system will be designed for an organic waste throughput of 30,000 t/a. There are two 2000m³ digestion tanks. The minimum retention time for the proposed design is 23-25 days. The two digester tanks will be mixed to maintain a solution with a consistent Dry Matter content. Heating coils are present within the digester tanks to maintain the required temperature of average 38degC. Storage for the produced Biogas is provided by the two digester tanks which are equipped with a double membrane roof. The operational pressure is in the range of approximately 8 mbar. A variety of safeguards are incorporated in the specification to guarantee the highest level of security in the biogas system, these include but are not limited to:

- over/ under pressure security valves protecting the digester
- A hydraulic overflow protection system.
- Flame stoppers in the gas pipes
- Different biogas pressure and level control instruments together with the security programmes in the PLC.
- An over pressure security valve protecting the biogas storage tank.
- Flare to burn the biogas in the case of an outage of gas motors.

F. Solid Separation

Post digestion the digestate can be spread as a fertiliser direct to land. A solids separation building has been included in the event that at some stage in the future it is decided to separate the solids and liquid fraction. In this event the digestate will be passed through two decanters within the Solid Separation building. This will separate the digestate into a solid and liquid fraction. The liquid fraction will be stored in the

digestate storage tanks. The solid fraction will be stored in skips within the Solid Separation building. Currently it is not intended to separate the solids and liquids.

G. Digestate Storage

Digestate will be stored in the two digestate storage tanks (3,500m³, radius 13m). These tanks will provide storage of 150 days in order to conform to the Nitrates directive. This digestate will be used as an organic fertiliser. There will be a Salmonella sampling station at this stage.

H. Gas Scrubbing

All produced biogas will be passed through a gas scrubbing unit in order to remove trace impurities (i.e Hydrogen Sulphide) in the Biogas. This gas scrubbing unit will have a capacity of 360m³. This gas scrubber is designed to reduce H₂S concentration from potentially high levels of 3,000mg/l to <500mg/l as required by the CHP system.

I. Combined Heat and Power Generator

The CHP boiler room will contain a 0.5MWe Combined Heat and Power generator. The electrical power produced by the Combined Heat and Power plant will be used to provide the complete electrical power demand for the Anaerobic Digestion plant. The boiler room will also house a 150kWt dual fuel oil-biogas boiler; this will serve as a back-up in the case of maintenance on the CHP unit. Heat produced by the CHP generator will be used to pre-heat the inputs in the Anaerobic digester feed tank, maintain the Anaerobic Digester tanks temperature of average 38degC.

J. Gas Flare

The gas flare is a safety measure in which in the event of an over pressure in the system the excess biogas will be flared.

K. Digestate Recirculation

Part of the digestate will be re-circulated back into the reception tank. Liquid digestate can be re-circulated to the reception tank to ensure that the incoming sludge's are of the correct consistency to allow easy handling. Recirculation pipes will be controlled by one-way valves.

(j) Regarding Paragraphs (a) to (g) of section 40 (4) of the Waste Management Act

The information contained within the waste licence application form and its attachments including the enclosed Environmental Impact Statement demonstrates that the proposed facility meets the above requirements of the Act.

(K) Emissions from the Site

Air

All waste acceptance and processing activities will take place within dedicated buildings.

The proposed waste reception hall will operate under negative pressure which will prevent emissions to the atmosphere via the entrances and exits to the building. Process air will be passed through a biofilter unit to control dust and odour emissions. Energy will be generated from the anaerobic digestion process through combined heat and power plant. Emissions from this energy utilisation plant will be monitored and controlled.

A wheelwash system will operate at the proposed facility to prevent vehicles exiting the site depositing dust and mud on the surrounding roads. Dust control measures will be implemented to ensure dust does not give rise to nuisance

Noise

Noise generated from every day operation of the BioPark will be minimal, all buildings will be insulated and all operations will take place indoors. All pumps will be enclosed in their own acoustic enclosure.

Surface Water

There will be no emissions to surface water.

Groundwater

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

(l) Effects of Emissions

An assessment of the effects of the above listed emissions on the environment has been carried out and it has been concluded that the proposed technology and management practices at the facility will ensure the effects of emissions on the environment will not be significant. Further details on emissions can found in Section 4 of the EIS and attachment E of the Waste Licence Application. The facility has been designed to minimise the emission of pollutants and operational procedures will be implemented to reinforce these design features.

(m) Monitoring and Sampling Points

A complete and comprehensive regime of regular environmental monitoring will be implemented at the site by the Applicant. At a minimum the Applicant proposes the establishment of the monitoring locations shown on Figure F.1 Proposed Monitoring Locations. These include air, surface water and noise monitoring locations. Further details on monitoring are provided in Attachment F of the Waste Licence Application. All environmental monitoring will be carried out by qualified persons and any laboratory analysis that is required will be carried out at an approved laboratory.

All monitoring will be carried out according to established procedures, approved by the Agency.

Annual reports containing details of environmental monitoring will be prepared and presented to the Agency.

(n) Arrangements for Waste Arising from Activity

No waste arisings are expected from the process

(o) Arrangements for Off-Site Treatment or Disposal of Wastes

No waste arisings are expected from the process

(p) Unauthorised or Unexpected Emissions

Staff will be present on site at all times during opening hours to supervise and carry out operations and to deal with any emergencies. Key staff will be on-call to respond to any emergency situation outside of normal working hours e.g. night-time and Sundays

An Emergency Procedure will be developed prior to facility operation and will deal with unexpected emissions such as odour/dust emissions to air, noise or emission to water and other eventualities e.g. fire or plant breakdown. The above-unexpected emissions/eventualities are not anticipated, however if they do arise they will be dealt with as per the procedure.

The Emergency procedure will include details of persons to contact, emergency services numbers and actions to be taken.

(q) Closure and Restoration

It is anticipated that the plant will be operated indefinitely. However if the facility should close for some unforeseen reason all waste and all equipment will be removed from the facility. Waste would be removed to authorised facilities. Equipment would be recycled where possible. The building where waste activities are proposed would remain and would likely be used again.

An Environmental Liabilities Risk Assessment will be prepared for the facility and will be submitted to the Agency once the facility is operational.

(r) – relates to landfilling of waste and is not relevant to this development.

(s) European communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulation 2000

The above Regulations do not apply to the proposed activity.

(t) Geological and Hydrogeological Nature of the Land

There will be no direct discharge to groundwater, as all proposed waste activities will take place on hard standing surfaces and indoors. Storm water from buildings and hardstand areas of the development will be collected and discharged to ground via a soak-away.

Treated effluent from the onsite waste water treatment system which serves the office and canteen will be treated in the anaerobic digester.

Figure B.1 Site Location

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**Figure D.1 Anaerobic Digestion Layout
Drawing 2 (Process Technology)**

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Figure F.1 Proposed Monitoring Locations

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Surveyed 2006
Revised 2006
Levelled

1:50,000 Discovery Map



ITM CENTRE PT COORDS
566515,793303

DESCRIPTION

MAP SHEETS

1:50KRaster
OS1628 OS1630

SiteBoundary



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Co. Cork
On behalf of Ordnance Survey
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Scale:- 1:50,000
Scála:- 1:50,000
0 800 1,600 2,400 3,200 4,000 Metres
0 2,500 5,000 7,500 10,000 12,500 Feet

Plot Ref. No. 1340042_1_1
Plot Date 25-NOV-2008

Surveyed 1837-1838
Revised 1911-1914
Levelled 1915

Record PLACE Map



Site Location Map 1:10,560
Ballinaphuill, Tibohine,
Castlerea, Co Roscommon
Figure B.2




ITM CENTRE PT. COORDS.
566515,793303

DESCRIPTION

MAP SHEETS

6 inch
SO046 RN014
RN008 MO074+08

Figure B.2

-  Site Notice Location
-  Land owned by BioPower
-  Anaerobic Digestion Plant Boundary

Drawings prepared by:
Tony Dineen BEng MIEI

BioPower Ltd
48 Main Street,
Schull,
Co Cork

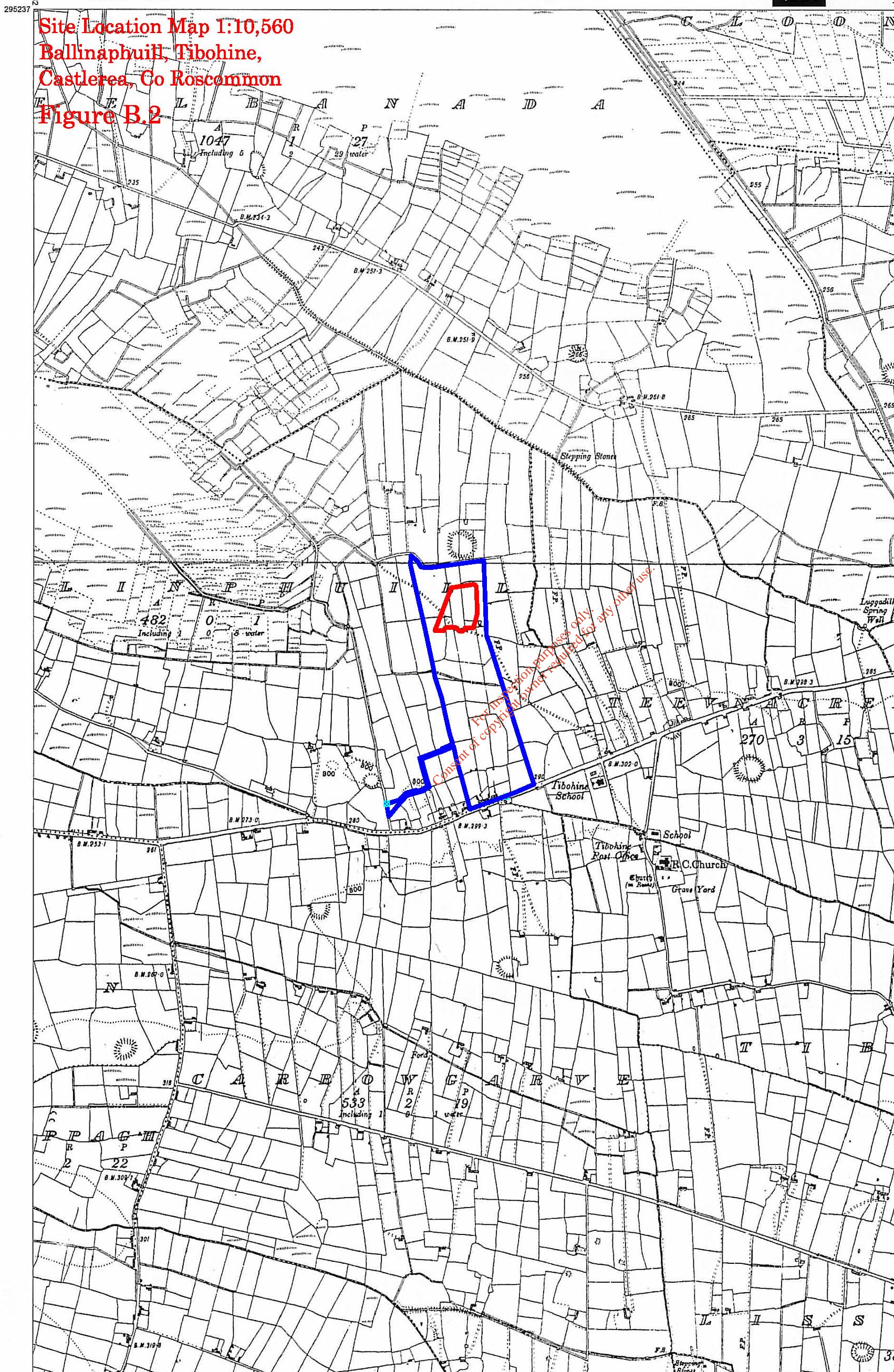


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Ireland, Phoenix Park, Dublin 8.

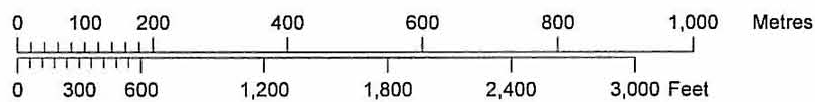
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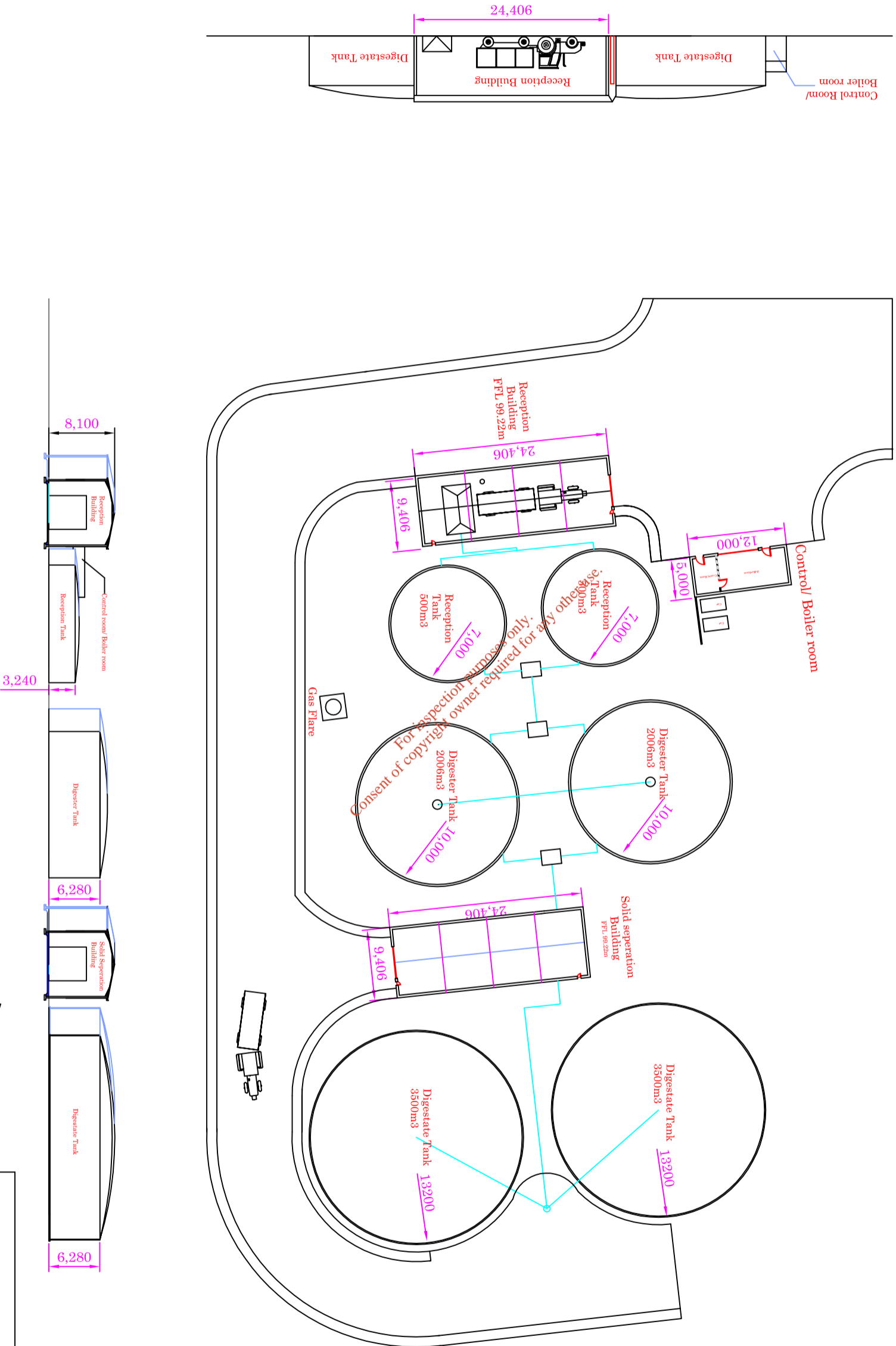


Plot Ref. No. 1282303_1
Plot Date 31-JAN-2008



Anaerobic Digestion Layout

Figure D.1



NOTES:
 ALL BUILDING, CONSTRUCTION MATERIALS AND SPECIFICATIONS TO COMPLY WITH THE
 CURRENT BUILDING REGULATIONS AND THE DEPARTMENT OF THE ENVIRONMENT
 RECOMMENDATIONS. FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALE.
 CONTRACTOR TO CHECK ALL DIMENSIONS ON SITE BEFORE STARTING WORK. ARCHITECT TO BE
 INFORMED OF ANY DISCREPANCIES BEFORE WORK PROCEEDS. LARGE SCALED DRAWINGS TAKE
 PREFERENCE OVER SMALLER DRAWINGS.

NOTES: All dimensions in mm

Anaerobic Digestion layout

Drawings prepared by:
 Tim Clarke BSc MSc
 Waste Works
 Ventry,
 Tralee,
 Co. Kerry

Scale: NTS

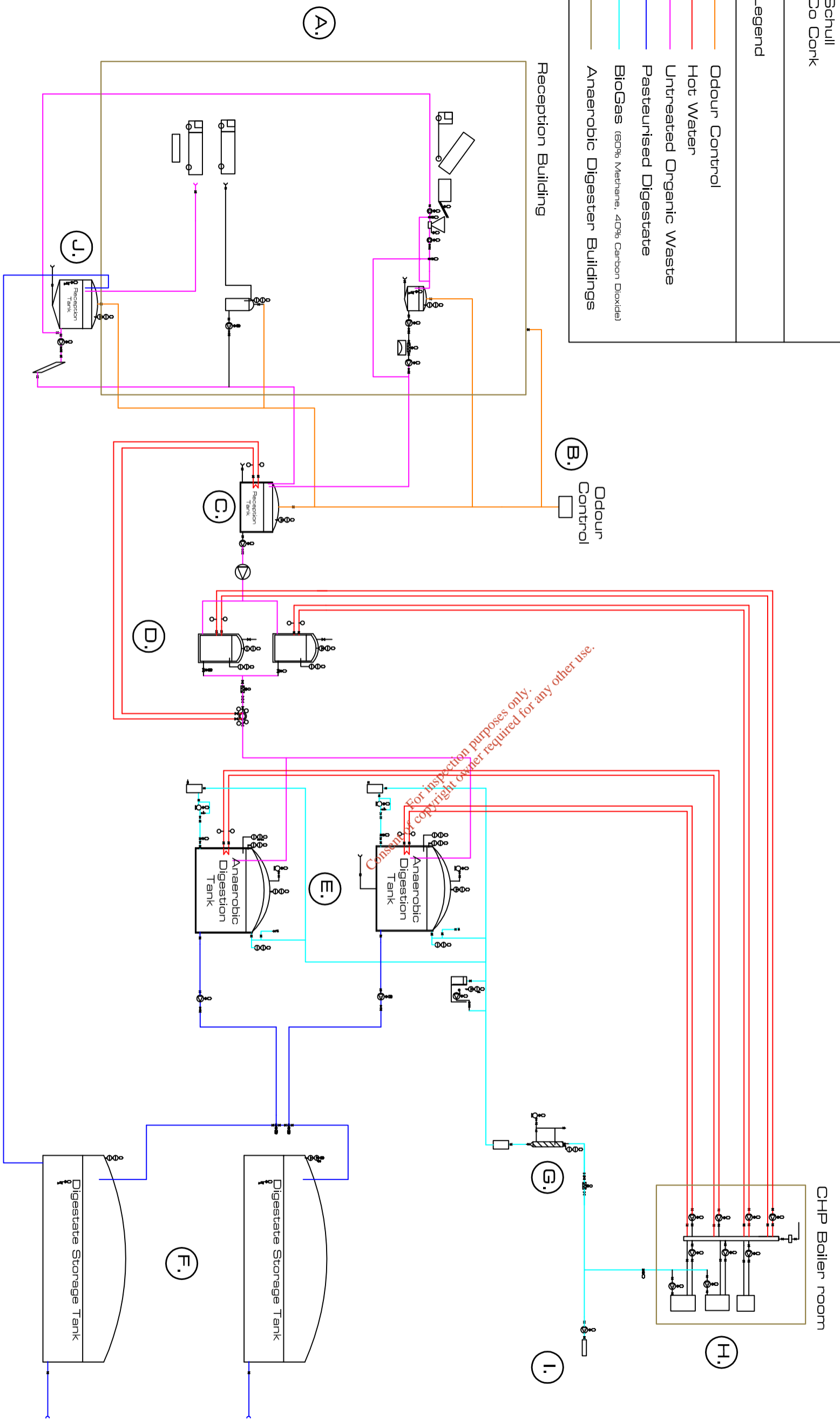
Date: 11/12/09

Dwg No: Figure D1

Drawing 2 (Process Technology)
 Drawings prepared by:
 Tony Dineen BEng Struct. MIEI,
 BioPower Ltd
 48 Main Street
 Schull
 Co Cork

Legend

- Odour Control
- Hot Water
- Untreated Organic Waste
- Pasteurised Digestate
- BioGas (60% Methane, 40% Carbon Dioxide)
- Anaerobic Digester Buildings




















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Monitoring Locations

Scale: NTS

Legend

-  Site Boundary
-  Anaerobic Digestion Plant Boundary
-  Percolation area for storm water runoff
-  On Site Road way
-  Existing forestry
-  Weighbridge
-  Bore hole
-  Stream
-  Road
-  Existing buildings
-  Site Contours (TBM=100m)
-  Biofilter
-  Noise Monitoring station
-  Surface water monitoring station
-  Dust/ air monitoring
-  Gas Utilisation Plant (CHP Engine)
-  Gas Flare

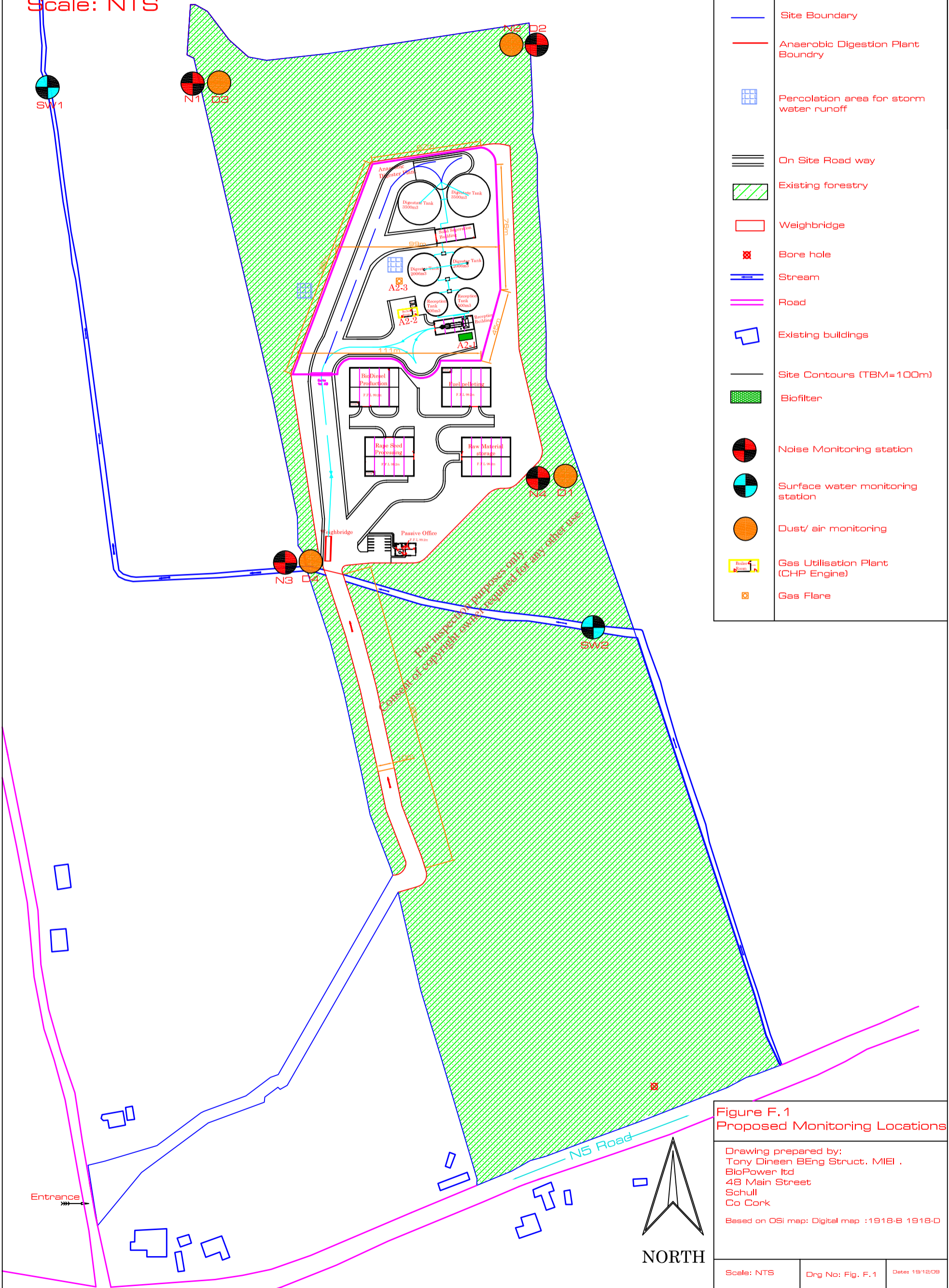
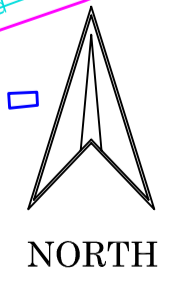


Figure F. 1
Proposed Monitoring Locations

Drawing prepared by:
Tony Dineen BEng Struct. MIEI .
BioPower Ltd
48 Main Street
Schull
Co Cork
Based on OSi map: Digital map :1918-B 1918-D



Scale: NTS	Dwg No: Fig. F.1	Date: 19/12/09
------------	------------------	----------------

ATTACHMENT B

Attachment B.1

Company Name:	ADPower Roscommon Ltd
a) Certificate of incorporation:	See Attachment B.1
b) Company Registered Number:	470612
c) Company Directors:	Walter Ryan-Purcell Donall O Laoire William Daunt
d) Land interest details	See Drawing B.2 attached

ADPower Roscommon Ltd is a special purpose company established in 2009 to develop the facility at Roscommon. ADPower Roscommon Ltd (Applicant- site bounded by red line) is a 100% subsidiary of BioPower Ltd.

BioPower was formed just over 2 years ago and has been in a project development phase of operations. BioPower is now moving towards the commercial phase of operations and intends to be the leading force in the crucial Waste to Energy sector. Over the course of the next 5 years BioPower intends to roll out 30 BioParks® which will include anaerobic digestion treatment, across the UK & Ireland with the capability of handling in excess of 800,000 tons of 'environmentally & politically challenging' waste streams (Sewage Sludge, Industrial Sludge, Organic/Food Waste).

BioPower will convert these streams into Energy Rich Solutions:

- BioGas;
- Electricity & Heat; and
- high value Fertilisers.

Attachment B.2 Location of Activity

- Figure B.1 illustrates the location of site
- Figure B.2 shows the boundary to which the application relates as well as the location of the site notice.

Attachment B.3 Planning Authority

A copy of the notice of the application to the Planning Authority (Roscommon County Council) in accordance with Article 9 of the Waste Management (Licensing) Regulations is attached in B.3

The planning authority is Roscommon County Council. Planning permission for a BioPark which incorporates rape seed processing, biodiesel production, fuel pellet production and anaerobic digestion has been obtained. The Environmental Impact Statement (EIS) submitted as part of the planning application is attached with this application. A copy of the planning permission (ref 08/656) is included in Attachment B.3.

The planning application and EIS for the BioPark, referred to above, was for acceptance of 40,000 tonnes per annum of raw materials. This waste licence application is for acceptance of up to 24,999 tonnes of organic waste to the anaerobic digestion plant.

The facility has a waste facility permit from Roscommon County Council Ref No. WFP-RN-09-0001-01 and this is included in Attachment B.3.

Attachment B.4 Sanitary Authority

Not applicable.

Attachment B.6 Notices and Advertisements

Site Notice: Attachment B.6 contains a copy of the Site Notice. Figure B.2 indicates the location of the site notice.

Newspaper Notice: The original application includes the complete newspaper in which the advertisement was placed. The relevant page of the newspaper containing the advertisement is included with the 3 copies of the application in Attachment B.6.

Attachment B.7 Type of Activity

In accordance with the Third and Fourth Schedules of the Waste Management Acts, 1996 to 2008, it is proposed to carry out the following classes of activity at the facility:

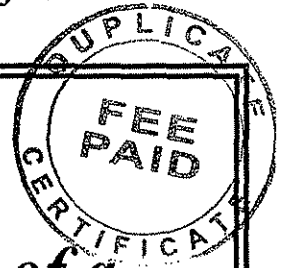
Waste Recovery Activities, in accordance with the Fourth Schedule of the Waste Management Acts 1996 to 2008

Class 2. This is the Principal Activity	<p>Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes):</p> <p>This activity relates to the recycling of organic substances by biological treatment (anaerobic digestion) of waste at the facility.</p>
Class 9.	<p>Use of any waste principally as a fuel or other means to generate energy:</p> <p>It is proposed that the biogas generated from an anaerobic digester will be used to generate energy</p>
Class 13.	<p>Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced:</p> <p>This activity relates to the storage of waste prior to further recovery off-site.</p>

Attachment B.1

- Certificate of Incorporation

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Short Certificate of Incorporation of a Company

I hereby certify,

that company number **355995,**

BIOPOWER LIMITED

was Incorporated under the Companies Acts, 1963 to 2001,

as a Limited Company

On

Monday, the 22nd day of April, 2002.

Given under my hand at Dublin, this

Friday, the 6th day of April, 2007.

for Registrar of Companies

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Companies Act, 1963, sec. 370(1)

Number 437014

Certificate of Incorporation

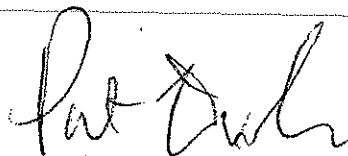
I hereby certify that

BIOPOWER GROUP PUBLIC LIMITED COMPANY

is this day incorporated under
the Companies Acts 1963 to 2006,
and that the company is limited.

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Given under my hand at Dublin, this
Wednesday, the 28th day of March, 2007


for Registrar of Companies

Number 470612

Certificate of Incorporation

I hereby certify that

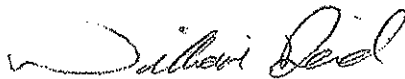
ADPOWER ROSCOMMON LIMITED

is this day incorporated under
the Companies Acts 1963 to 2006,
and that the company is limited.

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Given under my hand at Dublin, this

Friday, the 8th day of May, 2009



for Registrar of Companies

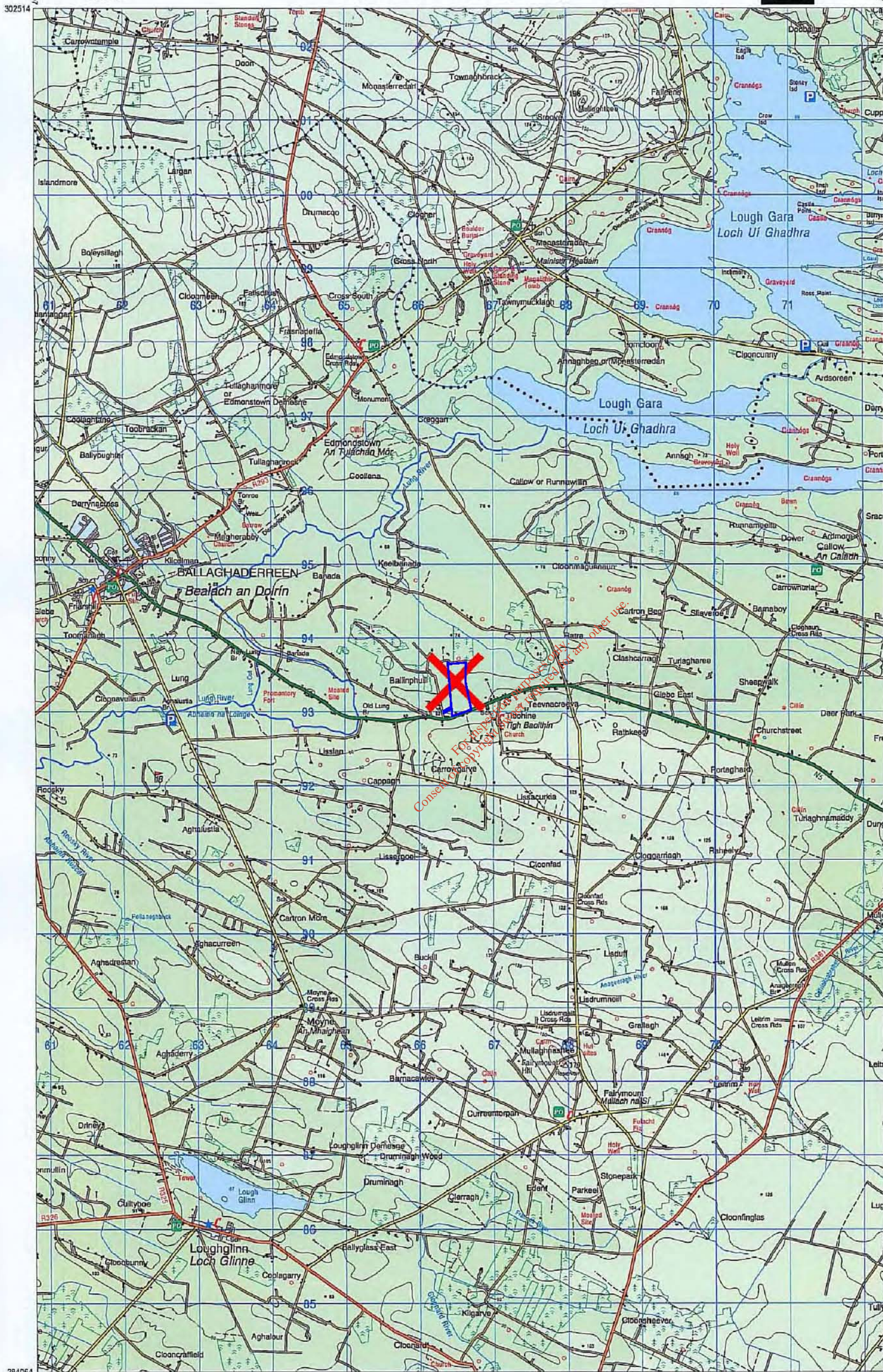
ATTACHMENT B.2

- Figure B.1 Site Location
- Figure B.2 Land Ownership; Application Site Boundary & Site Notice Location

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Surveyed 2006
Revised 2006
Levelled

1:50,000 Discovery Map



172307

ITM CENTRE PT COORDS

566515,793303

DESCRIPTION

MAP SHEETS

1:50KRaster
OS1628 OS1630

Figure B.1

Site Location Map

X Site Location

— Site Boundary



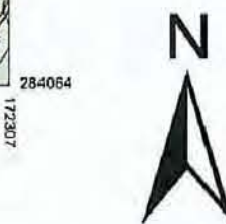
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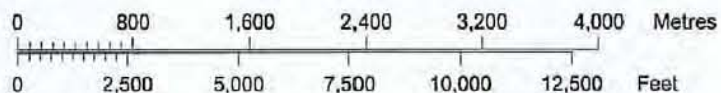


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Scála:- 1:50,000



Plot Ref. No. 1340042_1_1
Plot Date 25-NOV-2008

172307

Surveyed 1994
Revised 2007
Levelled

Rural PLACE Map



Figure B.2
Site Plan 1:2500
Ballinaphuill, Tibohine, Castlerea,
Co Roscommon

ITM CENTRE PT. COORDS
566515,793303

DESCRIPTION

MAP SHEETS

1:2500
1918-B 1918-D

Figure B.2
Location of Facility to be Licensed

Drawings prepared by:
Tony Dineen BEng, MIE

BioPower Ltd
48 Main Street,
Schull,
Co Cork

Boundary of land owned by BioPower 30 Acres

Boundary of land controlled by AD Power Roscommon Ltd enclosing the AD facility 3.8 Acres

Site Notice Location



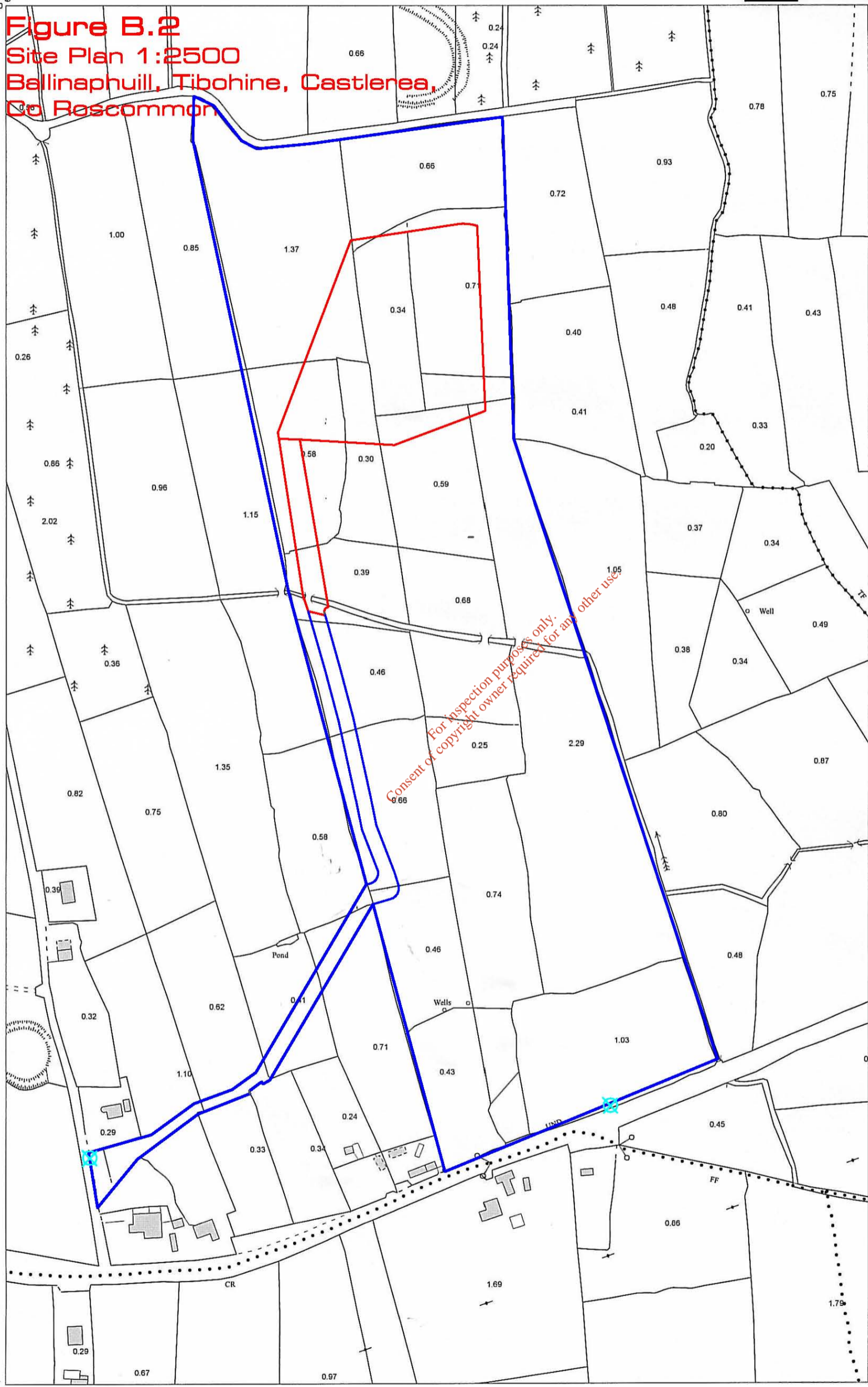
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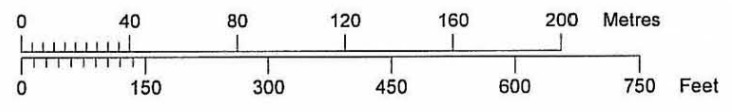
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Plot Ref. No. 1282303_1_5
Plot Date 31-JAN-2008



ATTACHMENT B.3

- Copy of Notice of the Application to the Planning Authority
- Copy of Planning Permission (ref 08/656)
- Waste Facility Permit (Ref No. WFP-RN-09-0001-01)

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BioPower Limited

Mr. John Cunningham,
Director of Services Planning and Water Services
Roscommon County Council
The Courthouse
Roscommon
Co Roscommon

30 December 2009

Re: Application to the Environmental Protection Agency for a Waste Licence

Dear Mr. Cunningham

We wish to inform you that ADPower Roscommon Limited, Ballinphuill, Tibohine, Castlerea, Co Roscommon intends to apply to the Environmental Protection Agency for a Waste Licence for a waste management facility at Ballinphuill, Tibohine, Castlerea, Co Roscommon - National grid reference 1666E, 2935N. The facility will consist of plant for treatment by anaerobic digestion of up to 24,999 tonnes per annum of non-hazardous waste.

The Principal class of activity at the facility, as specified in the Fourth Schedule of the Waste Management Acts 1996 to 2008 is as follows:

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

Other activities to be carried out at the facility are as follows:

Under the Fourth Schedule of the Waste Management Acts 1996 to 2008

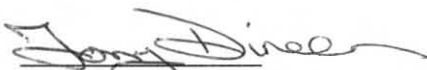
- 9. Use of any waste principally as a fuel or other means to generate energy***

- 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***

An Environmental Impact Statement will be submitted to the Agency with the Waste Licence Application.

A copy of the Waste Licence Application, the Environmental Impact Statement, 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 practicable after receipt by the Agency, be available for inspection or purchase at the headquarters of the Agency.

Yours sincerely



Tony Dineen BEngCivil. BEngStruct. MIEI

ROSCOMMON COUNTY COUNCIL

LOCAL GOVERNMENT (PLANNING AND DEVELOPMENT) ACTS, 1963-2007

NOTIFICATION OF FINAL GRANT OF PERMISSION

Planning register Ref.

PD/08/656

TO :

BioPower Ltd.
48 Main Street,
Schull,
Co. Cork.

Application Receipt Date:

21/05/2008

Application by or on behalf of :

BioPower Ltd. 48 Main Street, Schull, Co.
Cork.

For a PERMISSION to:

For the development of a BioPark and its associated buildings. This BioPark will involve: The construction of three (30mx24m (12m to apex)) buildings to house the process of Rape Seed Processing, BioDiesel production and Fuel Pelleting. The construction of one (30mx24m (12m to apex)) building for raw material storage. The construction of an Anaerobic Digester (20,000 t/a). The Anaerobic Digester is made up of: Two 25mx10m (8.1 to the apex) buildings for the reception buildings and Solid Separation building. Two 13.2 radius digestate tanks (6.28m high). Two 10m radius digester tanks (6.28m high). Two 7m radius reception tanks (3.24m high). One control/boiler room (12mx5m (4.4m high)). An energy efficient site office will also be constructed. A weighbridge will be constructed. The process of Anaerobic digestion will require a Waste License. An EIS has been submitted with this application. The development is at Ballinphuill, Tibohine, Castlerea, Co. Roscommon.

Subject to the 23 conditions set out in the Schedule attached.

Note: It is important to read and understand fully the conditions attached to this permission as set out in the attached schedule. All the conditions must be strictly complied with, otherwise the work will be unauthorised.

SIGNED:



Administrative Officer

DATE:

04/11/2008

SCHEDULE OF CONDITIONS IMPOSED BY THE PLANNING AUTHORITY

P & D Ref. No: PD/08/656
Applicant: BioPower Ltd.,
Development: PERMISSION for the development of a BioPark and its associated buildings. This BioPark will involve: The construction of three (30mx24m (12m to apex)) buildings to house the process of Rape Seed Processing, BioDiesel production and Fuel Pelleting. The construction of one (30mx24m (12m to apex)) building for raw material storage. The construction of an Anaerobic Digester (20,000 t/a). The Anaerobic Digester is made up of: Two 25mx10m (8.1 to the apex) buildings for the reception buildings and Solid Separation building. Two 13.2 radius digestate tanks (6.28m high). Two 10m radius digester tanks (6.28m high). Two 7m radius reception tanks (3.24m high). One control/boiler room (12mx5m (4.4m high)). An energy efficient site office will also be constructed. A weighbridge will be constructed. The process of Anaerobic digestion will require a Waste License. An EIS has been submitted with this application. The development is Ballinphuill, Tibohine, Castlerea, Co. Roscommon

1. The development shall be carried out strictly in accordance with plans and documents submitted on 21st May 2008, and as amended by the details submitted on 11th July 2008 and 6th August 2008, except where conditions hereunder specify otherwise.

Reason: In the interests of proper planning and development.

2. All surface water run-off from roofs, entrances and parking areas shall be collected and disposed of within the site to soakpits/drains/adjacent water courses. In particular, no such water run-off shall be allowed to flow onto the public road or adjoining properties without the permission of the adjoining landowner.

Reason: In the interests of public health and orderly development

3. Prior to the commencement of development, the developer shall submit a construction and demolition waste management plan to the local authority. This plan shall, where relevant, include the information recommended in sections 3.2, 3.3 and 3.4 of the document entitled "Best Practice Guidelines on the Preparation of Waste Management Plans for Construction and Demolition Projects" published by the Department of the Environment, Heritage and Local Government in September 2004"

Reason: In the interests of the reduction and best practice management of construction and demolition waste from the proposed development

4. All clean rainwater from roofs and clean concrete yards shall be separately collected and disposed of to the existing waterway. All surface water run-offs from the proposed roads and car parks shall be diverted towards a by-pass interceptor. The interceptor shall be installed and maintained to manufacturer's recommendations. The interceptor shall comply with BS8301:1985. The interceptor shall be inspected at intervals and cleaning and maintenance of the interceptor shall be carried out as regularly as is necessary in the manner described by the manufacturer. The interceptor shall be of sufficient capacity to avoid pollution of surface and ground waters.

Reason: In the interests of public health and orderly development

SCHEDULE OF CONDITIONS IMPOSED BY THE PLANNING AUTHORITY

P & D Ref. No: PD/08/656
Applicant: BioPower Ltd.,
Development: PERMISSION for the development of a BioPark and its associated buildings. This BioPark will involve: The construction of three (30mx24m (12m to apex)) buildings to house the process of Rape Seed Processing, BioDiesel production and Fuel Pelleting. The construction of one (30mx24m (12m to apex)) building for raw material storage. The construction of an Anaerobic Digester (20,000 t/a). The Anaerobic Digester is made up of: Two 25mx10m (8.1 to the apex) buildings for the reception buildings and Solid Separation building. Two 13.2 radius digestate tanks (6.28m high). Two 10m radius digester tanks (6.28m high). Two 7m radius reception tanks (3.24m high). One control/boiler room (12mx5m (4.4m high)). An energy efficient site office will also be constructed. A weighbridge will be constructed. The process of Anaerobic digestion will require a Waste License. An EIS has been submitted with this application. The development is Ballinphuill, Tibohine, Castlerea, Co. Roscommon

5. All oil storage tanks located above ground shall be provided with an adequately designed bund system complete with an impervious base. Filling and take off points shall be located within the bund.

Reason: In the interests of orderly development

6. All waste interceptor sludges are to be collected and disposed of by an authorised waste oil collector in accordance with the Waste Management Act 1996 as amended.

Reason: In the interests of orderly development

7. The developer shall ensure that all public roads shall be maintained free of litter originating from the proposed development.

Reason: In the interests of public health and orderly development

8. Fire hydrants shall be located as per 'Recommendations for site development works for housing areas'. Hydrants shall be located so that all areas of the proposed development are measured no more than 46m from a hydrant along an unobstructed route.

Reason: In the interests of orderly development

9. On completion of the development the developer shall provide the following:
- Details of water and air tests carried out on sewers
 - Infiltration test for manholes
 - CCTV survey including location map and condition report
 - Record drawings of all underground services.

Reason: In the interests of orderly development

10. No gateway or barrier shall be erected on the new access road leading from the local road, L55421, to the plant.

Reason: In the interest of traffic safety

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11. The raw materials to be supplied to the development shall be as stated in the submission made to the planning authority on 6th August 2008.

Reason: In the interests of orderly development

12. The developer shall maintain a register of all traffic and deliveries to the plant. The data shall include vehicle registration, classification and capacity. This data shall be made available to the Planning Authority at all reasonable times and within 48 hours in the case of any written demand. The data shall be provided to the Planning Authority in a format satisfactory to the Planning Authority prior to 31st January following each calendar year of operation.

Reason: In the interests of orderly development

13. Within 12 months of the date of opening of the plant the developer shall prepare and submit a traffic management and control plan in relation to delivery and exiting traffic to and from the plant. This plan shall include consideration of practical methodologies for minimising the numbers of slower moving agricultural vehicles and optimising loads to larger tanker type deliveries. Incentive schemes to achieve this shall also be considered. The plan shall be submitted to the Planning Authority for acceptance and approval following the first twelve months of operation and thereafter on a 24 month cycle. The developer shall be bound by any amendments to the plan put forward by the Planning Authority.

Reason: In the interest of traffic safety and orderly development

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14. Prior to commencement of development, the developer shall submit to the planning authority for written agreement a proposal for an Environmental Management System (EMS). This shall include the following:
- (a) Proposals for the suppression of on-site noise (in order to comply with conditions set out in this permission).
 - (b) Proposals for the on going monitoring of sound emissions at dwellings to be agreed with the planning authority
 - (c) Proposals for the suppression of dust on site and on the access road.
 - (d) Proposals for the bunding of fuel and lubrication storage areas and details of emergency action in the event of accidental spillage.
 - (e) Details of safety measures for the development, to include warning signs and stock proof fencing (works to be carried out within one month of the written agreement of the planning authority to these details).
 - (f) Management of all landscaping, with particular reference to enhancing the ecological value of the woodland/grassland on the bunds and buffer areas.
 - (g) Monitoring of ground and surface water quality, levels and discharges.
 - (h) Full details of site manager, contact numbers (including out of hours) and public information signs on the entrance to the facility, details which shall be agreed with the planning authority.

Reason: In the interest of orderly development and to safeguard local amenities.

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15. On an annual basis, for the lifetime of the facility (within two months of each year end), the developer shall submit to the planning authority five copies of an environmental audit. Independent environmental auditors approved by the planning authority shall carry out this audit. This audit shall be carried out at the expense of the developer and made available to the public for inspection at all reasonable hours at a location to be agreed with the planning authority. This report shall contain:
- (a) A written record derived from the on-site weighbridge of the quantity of material leaving the site. This quantity shall be specified in tonnes.
 - (b) An annual topographical survey carried out by an independent qualified surveyor approved by the planning authority. This survey shall show all areas excavated and restored. On the basis of this a full materials balance shall be provided to the planning authority.
 - (c) A record of all movements of heavy vehicles outside the times set out in condition number 14 above.
 - (d) A record of groundwater levels measured at monthly intervals.
 - (e) A full record of all breaches over the previous year for noise, dust, and water quality monitoring.
 - (f) A written record of all complaints, including actions taken on each complaint.

In addition to this annual audit, the developer shall submit quarterly reports with full monitoring records of dust monitoring, noise monitoring, surface water quality monitoring, and groundwater monitoring, details of such information to be agreed with the planning authority. Notwithstanding this requirement, all incidents where levels of noise or dust exceed agreed levels shall be notified to the planning authority within two working days. Incidents of surface or groundwater pollution or incidents that may result in groundwater pollution, shall be notified to the planning authority without delay.

Reason: In the interest of protecting residential amenities and ensuring a sustainable use of non-renewable resources.

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16. Operating hours for the Bio Diesel and Fuel Pelleting production shall be restricted to between 0800 hours and 1700 hours, Monday to Saturday. These facilities shall not operate outside these hours or on Sundays or public holidays.

Reason: In the interest of residential amenity.

17. During the operation phase of the proposed development, the noise level from within the premises, measured at noise sensitive locations in the vicinity shall not exceed: (a) LAeqT value of 55 dB(A) during the period of 0800 to 1800 hours from Monday to Saturday (inclusive) and (b) an LAeqT value of 45 dB(A) at any other time.

Reason: To protect the amenities of properties in the vicinity of the site.

18. Total dust emissions arising from the on-site operations shall not exceed 350 milligrams per metre squared per day averaged over a continuous period of 30 days when measured as deposition of insoluble and soluble particulate matter at any position along the boundary of the facility. An adequate hose capacity shall be maintained in the quarry area to dampen down stockpiles, waste piles, and equipment during periods of dry windy weather to prevent the emission of fugitive dust.

Reason: In the interest of protecting the amenities of the area.

19. The wheels and undersides of all vehicles transporting aggregate from the site onto the public road shall, prior to the exit of such vehicles onto the public road, be washed in a wheel washing facility which shall be constructed, installed and operated in accordance with the requirements of the planning authority.

Reason: In the interest of the amenities of the area and of traffic safety and convenience.

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20. Prior to the commencement of any development, the developer shall employ a qualified archaeologist (agreed with the National Monuments Service) to archaeologically test the area that will be disturbed by the development and to assess the impact of the development on archaeological material in the ground.

An archaeological impact statement shall be prepared and submitted to the Planning Authority and National Monuments Service prior to any construction works. The assessment shall consist of relevant documentary research and trial trench excavations and the report to be submitted shall address the degree to which the extent, location and levels of all foundations, service trenches and other sub-surface works effect existing archaeological remains, and the proposals for any remedial works required.

In the event of archaeological material being discovered, the developer shall immediately notify the National Monuments Service and the Planning Authority, and shall facilitate the recording and/or preserving of such items as so directed by the National Monuments Service.

Reason: In the interests of preserving items of archaeological significance effected by the development.

21. Prior to the commencement of the development, the developer shall pay the sum of **€105,787.00** updated at the time of payment in accordance with changes in the Wholesale Price Index – Building and Construction (Capital Goods), published by the Central Statistics Office to Roscommon County Council as a contribution towards the expenditure that was incurred or is proposed by the Planning Authority in respect of providing public infrastructure and services.

Reason: It is considered reasonable that the developer should contribute towards the expenditure that is proposed to be incurred by the Council in respect of the provision of public infrastructure and services.

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22. Prior to the commencement of the development, the developer shall pay the sum of **€291,000.00** updated at the time of payment in accordance with changes in the Wholesale Price Index – Building and Construction (Capital Goods), published by the Central Statistics Office to Roscommon County Council as a special contribution in accordance with Section 48 2(c) of The Planning and Development Act 2000. These monies shall be utilised by the Planning Authority to carry out road works on the public roads and the National Primary Road, N5. The developer may with the agreement of the Planning Authority carry out such works to a standard and methodology acceptable to the planning authority. In the event of the developer opting to carry out such works all details must be agreed in advance including health and safety plan, specifications, material types and tolerances. All such works to be in accordance with DMRB (Design Manual for Roads and Bridges) Standards and Procedures.

Reason: It is considered reasonable that the developer should contribute towards the expenditure that is proposed to be incurred by the Council in respect of works for the upgrading of the public roads and the National Primary Road, N5.

23. The developer shall give the Planning Authority two weeks notice in writing of his intention to commence development on the site.

Reason: In the interests of orderly development



**Roscommon
County Council**

Courthouse
Roscommon

Comhairle Chontae
Ros Comáin
Teach na Cúirte
Ros Comáin

Tel: (090) 6632500
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Reception 6632500
Arts Centre 6625824
Arts Officer 6637285
Community & Enterprise 6637325
Civil Defence 6637206
Corporate Services 6637140
Environment 6637260
Finance 6637187
Fire Services 6634823
Housing 6637230
Human Resources 6637144
Information Technology 6637200
Library HQ 6637270
L-I-T-T-E-R 1850 548837
Motor Tax 6637250
Planning 6637175
Regional Offices NRA 6627004
Rates 6637210
RCDB 6637325
Reg. of Electors 6637147
Roads 6637152
Stores 6637225
Water Services 6637165

Tá fáilte romhat gnó a dhéanamh as Gaeilge



COMHAIRLE CONTAE ROS COMÁIN

Roscommon County Council

TEACH NA CÚIRTE
ROS COMÁIN
Tel: 090-6632500 Faics: 090-6637108

COURTHOUSE
ROSCOMMON
Tel: 090-6632500 Fax: 090-6637108

ROSCOMMON COUNTY COUNCIL

Waste Management (Facility Permit and Registration) Regulations, S.I. No. 821 of 2007

And

Waste Management (Facility Permit and Registration) (Amendment) Regulations 2008

Waste Facility Permit

Further to an application received on 2nd March, 2009

Applicant: BioPower Ltd.,
Address: 48 Main Street, Schull, County Cork.
Ref: WFP-RN-09-0001-01
Location of Facility: Ballinaphuill, Tibohine, Castlerea, Co. Roscommon.

Nature of Activity

This permit is for the processing of a maximum annual intake of 10,000 tonnes of organic waste by the process of Anaerobic Digestion which will result in the production of methane gas (to be used to produce heat and electricity) and Biosolids (which shall be used as an organic fertiliser on land).

Class of Activity concerned under Waste Management Act 1996 as amended

The applicant has applied under Class 8 of the Third Schedule, Part II of the Waste Management (Facility Permit and Registration) Amendment Regulations, 2008:

Class No:	Class Description:
Class 8	The reception, storage and biological treatment of biowaste at a facility where – the maximum amount of compost and biowaste held at the facility does not exceed 6000 cubic meters at any time, and the annual intake shall not exceed 10,000 tonnes.”



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County Council**

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Community
& Enterprise 6637325
Civil Defence 6637206
Corporate Services 6637140
Environment 6637260
Finance 6637187
Fire Services 6634823
Housing 6637230
Human Resources 6637144
Information
Technology 6637200
Library HQ 6637270
LI-T-T-E-R 1850 54 88 37
Motor Tax 6637250
Planning 6637175
Regional Offices NRA 6627004
Rates 6637210
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Tá fáilte romhat gnó a
dhéanamh as Gaeilge



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and Class 2 of the Fourth Schedule of the Waste Management Act 1996 as amended:

Class No:	Class Description:
Class 2	Recycling or reclamation of organic substances which are not used as solvents (<i>including composting and other biological processes</i>).

This Waste Facility Permit is valid for a maximum period of **5 Years** from the date of grant of the Certificate.

Roscommon County Council, in exercise of the power conferred on it by Waste Management (Facility Permit and Registration) Regulations, S.I. No. 821 of 2007 and Waste Management (Facility Permit and Registration) (Amendment) Regulations 2008 hereby grants a permit to BioPower Ltd., 48 Main Street, Schull, County Cork.

County Manager/Director of Services

Date

For inspection purposes only.
Consent of copyright owner required for any other use.

30 April 2009



ATTACHMENT B.6

- Copy of the Site Notice (Figure B.2 indicates the location of the site notice)
- Newspaper Notice (The original application includes the complete newspaper)

*For inspection purposes only.
Consent of copyright owner required for any other use.*

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTE LICENCE

ADPower Roscommon Limited, Ballinphuill, Tibohine, Castlerea, Co Roscommon intends to apply to the Environmental Protection Agency for a Waste Licence at Ballinphuill, Tibohine, Castlerea, Co Roscommon - National grid reference 1666E, 2935N. The facility will consist of plant for treatment by anaerobic digestion of up to 24,999 tonnes per annum of non-hazardous waste.

The Principal class of activity at the facility, as specified in the Fourth Schedule of the Waste Management Acts 1996 to 2008 is as follows:

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

Other activities to be carried out at the facility are as follows:

Under the Fourth Schedule of the Waste Management Acts 1996 to 2008

- 9. Use of any waste principally as a fuel or other means to generate energy***
- 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***

An Environmental Impact Statement will be submitted to the Agency with the Waste Licence Application.

A copy of the Waste Licence Application, the Environmental Impact Statement, 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 practicable after receipt by the Agency, be available for inspection or purchase at the headquarters of the Agency.

Date of Erection of Site Notice: 30/12/2009

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTE LICENCE

ADPower Roscommon Limited, Ballinphuill, Tibohine, Castlerea, Co Roscommon intends to apply to the Environmental Protection Agency for a Waste Licence at Ballinphuill, Tibohine, Castlerea, Co Roscommon - National grid reference 1666E, 2935N. The facility will consist of plant for treatment by anaerobic digestion of up to 24,999 tonnes per annum of non-hazardous waste.

The Principal class of activity at the facility, as specified in the Fourth Schedule of the Waste Management Acts 1996 to 2008 is as follows:

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

Other activities to be carried out at the facility are as follows:

Under the Fourth Schedule of the Waste Management Acts 1996 to 2008

9. Use of any waste principally as a fuel or other means to generate energy

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

An Environmental Impact Statement will be submitted to the Agency with the Waste Licence Application.

A copy of the Waste Licence Application, the Environmental Impact Statement, 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 practicable after receipt by the Agency, be available for inspection or purchase at the headquarters of the Agency.

Comment: For inspection purposes only.
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ATTACHMENT C – MANAGEMENT OF THE INSTALLATION

Attachment C.1 Technical Competence and Site Management

BioPower owns 100% of ADPower Roscommon Ltd and will provide the necessary technical support and put in place suitable management to operate the facility. Key members of BioPower include:

Wayne Byrne Chief Executive Officer BioPower

Wayne joined BioPower from Manvik where he was Group Managing Director of Manvik Environmental Limited, the holding company for Manvik's business interests in the UK and Ireland. Manvik is a market leader in the supply of Refuse vehicles and waste equipment in the municipal sector. Wayne was one of the founders of the Group entity and recently was involved in successfully selling his interest in the business.

Prior to joining Manvik, Wayne headed up the Public Sector practice for SAP. He was responsible for SAP's business development by providing finance and HR solutions to large government and municipal authorities. Wayne holds an International Executive Masters in Business Administration from Smurfit College of Business, University College Dublin (UCD) and a Diploma in Advanced Management from UCD and is a fellow of the Chartered Institute of Waste Management

Walter Ryan-Purcell

Walter is the founder of BioPower. Walter was cofounder and Managing Director of McGill Environmental Systems (Ireland) Ltd., for over 10 years. McGill is still today one of Irelands most successful industrial composting businesses.

Walter has Bachelor of Agricultural Science at UCD and is a Graduate in Marketing with the Marketing Institute of Ireland. Walter has also completed Business Management, Development of Entrepreneurs in Boston for Ireland (DEBI Programme), Boston College, U.S.A. and Entrepreneurship Programme with Shannon Development.

Tim Clarke

Tim joined BioPower in 2008. Tim had previously run a successful consulting practice for over 10 years specialising in sustainable waste, water and biomass energy systems. This included process and system design for new AD projects, feasibility studies, and licensing. Clients include private, industrial and engineering companies, and government departments in UK and Ireland. Tim also has extensive experience of design, installation and operation of reedbed and wetland wastewater treatment systems, and compost plant.

Prior to that Tim spent 10 years in developing new systems and processes at leading UK digester company FarmGas Ltd in the 1980's, he was a founding director of a new company, Environmental Energy Ltd, designing and supplying subcontract digester systems of his design in various EU countries. He has designed a large number of digesters for treatment of wastes including municipal solid wastes, sewage sludge, industrial wastes and animal manures. Two of his research projects have been supported by the UK department of Trade and Industry. The first in 1986, a project demonstrating anaerobic digestion of meat-industry wastes; and a successful 2-year project 1995-6 DEMOS, demonstration of high-solids digestion of municipal solid wastes.

Tim has a Masters in Biology (M.Sc) from Auckland University, New Zealand, and B.Sc from St Andrews University, Scotland. He has over 25 years experience of development, design and implementation of anaerobic digestion processes and projects for treatment and energy

recovery from a wide variety of liquid and semi-solid wastes including livestock wastes, municipal, food and industrial wastes, and crops/crop wastes

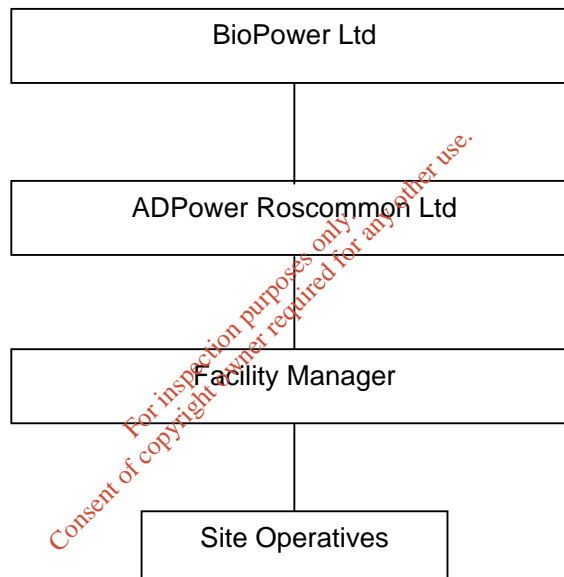
Proposed Facility Management Structure

The proposed Facility Management Structures for the facility is set out in Figure C.1. The list of facility personnel and respective responsibilities is set out below. The staff will be qualified / trained for the relevant position.

Facility Manager: Responsible for the overall management of the facility, including license compliance, operations and maintenance of the facility, and personnel management.

Site Operatives: Responsible for weighing in and out vehicles; waste acceptance; operating machinery to process waste; maintaining the facility in a tidy state and other duties.

Figure C.1 Facility Management Structure



Attachment C.2 Environmental Management System (EMS)

An EMS to reflect proposed waste activities will be prepared and maintained in accordance with the conditions of the waste licence once granted and EPA guidelines. The EMS will be established prior to commencement of waste activities at the site and will be updated on an annual basis.

The EMS will include as a minimum the following elements, which relate directly to standard conditions of an EPA waste licence concerning EMS requirements (typically Condition 2 Management of Facility of an EPA waste licence):

- 1 Management and Reporting Structure**
Details of the on-site management structure indicating in particular responsibility levels for environmental management will be provided.
- 2 Schedule of Environmental Objectives and Targets**
A Schedule of Environmental Objectives and Targets will be prepared. This will as a minimum provide for a review of all operations and processes, including an

evaluation of practicable options, for energy and resource efficiency. The schedule will include time frames for the achievement of set targets and will address a five year period as a minimum. The schedule will be reviewed annually and amendments notified to the EPA for agreement as part of the Annual Environmental Report (AER).

3 Environmental Management Programme (EMP)

An EMP will be prepared and will include a time schedule for achieving the Environmental Objectives and Targets identified under bullet 2 above. The EMP will include:

- designation of responsibility for targets;
- the means by which they may be achieved;
- the time within which they may be achieved.

The EMP shall be reviewed annually. A report on the programme, including the success in meeting agreed targets, will be prepared and submitted to the EPA as part of the AER.

4 Documentation

An environmental management documentation system will be established and maintained. Copies of regulatory permits (waste licence and planning) will be made available to all relevant personnel whose duties relate to any conditions of the waste licence or planning permission.

5 Corrective Action

Procedures will be established to ensure that corrective action is taken should the specified requirements of the waste licence not be fulfilled. The responsibility and authority for initiating further investigation and corrective action in the event of a reported nonconformity with the waste licence will be defined.

6 Awareness and Training

Procedures will be established and maintained for identifying training needs, and for providing appropriate training for all personnel whose work can have a significant effect upon the environment. Appropriate records of training will be maintained.

7 Communications Programme

A Public Awareness and Communications Programme will be established and maintained to ensure that members of the public are informed, and can obtain information at the facility, at all reasonable times, concerning the environmental performance of the facility.

8 Maintenance Programme

A programme for maintenance of all plant and equipment (based on the instructions issued by the manufacturer/supplier or installer of the equipment) will be established and maintained. Appropriate record keeping and diagnostic testing shall support this maintenance programme.

9 Efficient Process Control

A programme to ensure there is adequate control of processes under all modes of operation will be established and maintained. The programme will identify the key indicator parameters for process control performance, as well as identifying methods for measuring and controlling these parameters. Abnormal process operating conditions will be documented, and analysed to identify any necessary corrective action.

ADPower Limited is committed to developing each of the above elements prior to commencement of waste activities at the site and improving them on an ongoing basis thereafter.

Attachment C.3 Hours of Operation

a) Proposed hours of operation

Staff will be on site from 7.45am to 5.45pm Mon-Sat.

The anaerobic digestion process will operate continuously. However, waste acceptance will be conducted only during the hours of operation specified in (b).

b) Proposed hours of waste acceptance/handling

Waste acceptance 08:00 to 17:00 Mon-Sat including bank holidays. No deliveries on Sundays.

Attachment C.4 Conditioning Plan

Not Applicable.

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ATTACHMENT D – INFRASTRUCTURE & OPERATION

Attachment D.1 Infrastructure**a. Site Security Arrangements Including Gates and Fencing**

The following security arrangements are proposed for the Anaerobic Digestion Plant:

- The Anaerobic Digestion Plant facility will be secured by 1.8m high permanent animal proof boundary fencing and lockable gate.
- During normal operation hours, there will be at all times at least one competent employee on site.
- There will be a sign in/sign out procedure in place for all visitors to the site.

b. Designs for Site Roads

All access roads will be in hardstanding, which will be of impervious material. Drainage will be to roadside gullies.

c. Designs of Hard Standing Areas

As with the access roads, all hard standing areas will be of impervious material. Drainage will be to a soak-pit.

d. Plant

See Attachment D.2 for details on anaerobic digestion plant.

e. Wheel-Wash

The entire site will be hardstanding, and as such, it is not envisaged that wheel cleaning will be a major issue. However, it is proposed to install a wheel wash facility. Clean water for washing will come from the onsite well. Waste water from the washing process will be collected and pumped into the Reception Tank for the Anaerobic Digesters.

f. Laboratory Facilities

It is not intended at this point in time to have laboratory facilities at the facility. Some testing will be done on site and this is described in Attachment D.2.d. In general, external accredited laboratory will be used.

g. Design and Location of Fuel Storage Areas

The fuel storage on site will be used to store mineral oil for use in the back up diesel generators and stand by boiler on site. These tanks will be located near the control/boiler building for use in the operation of the machinery and of a stand by boiler if there is maintenance works (see Anaerobic Digestion Layout Drawing). Any fuels stored on site will be kept in appropriately bunded areas as per EPA guidelines.

h. Waste Quarantine Areas

The most appropriate location for waste inspection is in the waste reception building. If waste is deemed unacceptable it will either be reloaded, in the case of a full load, or picked out in the case of specific non conforming wastes, for removal from the facility. There will be a designated area within the waste reception area for the storage of such items (waste

quarantine area). A daily inventory of any materials placed in quarantined will be maintained.

i. **Waste Inspection Areas**

See Waste Quarantine Area detail above.

j. **Traffic control**

The anaerobic digestion facility is located away from the public road. This eliminates the possibility of encroaching onto the public road. In addition the National Primary Route (N5) will be upgraded at the entrance to dedicated road to the BioPark incorporating the anaerobic digestion facility. Site management will control traffic around the facility, with traffic signs used for route designation. Car parking will be provided for visitors and for staff.

k. **Sewerage and Surface Water Drainage Infrastructure**

Drainage of the entire site will be strictly controlled.

The only location on the site where sewerage will be produced is at the site office. The sewerage from here will be transferred to a BioCycle treatment tank. The tank will be emptied on a regular basis and the contents will be introduced into the Anaerobic Digestion Reception tanks.

All surface water will be collected and transferred to a soak-pit. Surface water from hardstand areas will pass through oil-water separator before entering the soak pit.

l. **All other Services**

A grid connection application is in process which will allow electricity generated from the anaerobic digestion process to be exported to the national grid. It is expected the facility will generate some 0.5MW of electricity.

The site will be connected to an existing water well, for which details are provided in Appendix C1 of the EIS, to serve the office and staff welfare facilities. In keeping with modern practice, the site will be contactable using telephone, fax, internet (broadband) etc.

m. **All Plant Sheds, Garages and Equipment Compound**

The anaerobic digestion plant layout shows detail on plant for the facility.

n. **Site Accommodation**

A site office will be located at the facility.

o. **A Fire Control System, Including Water Supply**

In general, fires will be prevented by operating best practice including:

- Inspection of loads at the weighbridge
- Control of loads to ensure no burning or smouldering loads enter the facility
- Designation of smoking/non smoking areas
- Security.

The plant will be designed and provided with adequate fire protection and detection systems, which will be consistent with the requirements of the Building Regulations. The following measures will be implemented to improve safety and reduce the risk of emergency situations:

- Escape routes, alternative escape routes and emergency lighting will be provided in compliance with the requirements of the Building Regulations.
- The facility will comply with the requirements of the Irish Building Regulations Technical Guidance Documents on Fire Safety. A Fire Safety Certificate for the Facility will be obtained in due course.
- All employees will have training in emergency response and safe working practices etc. There will refresher training provided at regular intervals and dictated by audits of the standard operating procedures.
- In the event of a fire there is an emergency shutdown valve from the control/boiler room to the tanks. This will prevent excessive heat reaching the tanks.
- Fire and smoke alarms will be monitored from the facility control room and in the event the external emergency services will be contacted immediately.
- Fire extinguishers will be located near all electrical and control panels.
- The presence of the biogas flare allows for if deemed necessary in and emergency the burning off of all gases in the system to reduce the risk damage.

Attachments D.1.p to D.1.u not applicable.

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Attachment D.2 - Facility Operation

D.2.a) Unit Operations of the Anaerobic Digestion Plant

The following are a list of the unit operations involved in the anaerobic digestion process with a brief description of each included.

The process should be looked at in conjunction with the attached process layout Drawing 2 (Process Technology) and Figure D.1 Anaerobic Digestion Layout.

A. Waste Delivery

Incoming loads of waste will be directed by plant personnel to the Reception building. The incoming lorry will proceed into the reception area after which the roller shutter door will close.

Suitable liquid sludge's (1%-15%DS (Dry Solids)) will be pumped to the low solids reception tank. Incoming wastes with a Dry Solids content of greater than 15% will be passed through a shredder and then transferred to the Anaerobic Digester feed tank. This feed tank will also be fed by the low solids reception tank to ensure a waste mix of suitable DS% content. There will also be a dedicated glycerol feed tank (30m³) to feed the Anaerobic Digester feed tank.

B. Odour Control

The proposed facility includes a bio filter to treat the displaced air from the reception building and reception tanks. This bio filter is equipped with a radial fan and a water scrubber to treat (adjust temperature and humidity) the displaced air in front of the bio filter in order to attain the minimum requirements for airborne emissions. There is a proposed air exchange rate of 3 times per hour for the reception building.

C. Anaerobic Digester Feed tank

The Anaerobic Digester feed tank will be a 500m³ covered tank. This tank will be linked to the odour control system for odour control management. This feed tank will be preheated.

D. Pasteurisation

The macerated waste will be pumped to the pre-pasteurisation process. The pasteurisation conditions are:

- Minimum temperature of 70degC
- Retention time of a minimum of 1 hour
- Particle size ≤12mm

The pasteurization stage operates as a batch pasteurization tank system. Temperature records of each batch will be recorded and archived. A heat recovery system will be used to recycle the heat from the pasteurisation stage to the Anaerobic Digestion feed tank. There will be an E-coli sampling station at this stage.

E. Digestion

The described digestion system will be designed for an organic waste throughput of 30,000 t/a. There are two 2000m³ digestion tanks. The minimum retention time for the proposed design is 23-25 days. The two digester tanks will be mixed to maintain a solution with a consistent Dry Matter content. Heating coils are present within the digester tanks to maintain the required temperature of average 38degC. Storage for the produced Biogas is provided by the two digester tanks which are equipped with a double membrane roof. The operational pressure is in the range of approximately 8 mbar. A variety of safeguards are incorporated in the specification

to guarantee the highest level of security in the biogas system, these include but are not limited to:

- over/ under pressure security valves protecting the digester
- A hydraulic overflow protection system.
- Flame stoppers in the gas pipes
- Different biogas pressure and level control instruments together with the security programmes in the PLC.
- An over pressure security valve protecting the biogas storage tank.
- Flare to burn the biogas in the case of an outage of gas motors.

F. Solid Separation

Post digestion the digestate can be spread as a fertiliser direct to land. A solids separation building has been included in the event that at some stage in the future it is decided to separate the solids and liquid fraction. In this event the digestate will be passed through two decanters within the Solid Separation building. This will separate the digestate into a solid and liquid fraction. The liquid fraction will be stored in the digestate storage tanks. The solid fraction will be stored in skips within the Solid Separation building. Currently it is not intended to separate the solids and liquids.

G. Digestate Storage

Digestate will be stored in the two digestate storage tanks (3,500m³, radius 13m). These tanks will provide storage of 150 days in order to conform to the Nitrates directive. This digestate will be used as an organic fertiliser. There will be a Salmonella sampling station at this stage.

H. Gas Scrubbing

All produced biogas will be passed through a gas scrubbing unit in order to remove trace impurities (i.e Hydrogen Sulphide) in the Biogas. This gas scrubbing unit will have a capacity of 360m³. This gas scrubber is designed to reduce H₂S concentration from potentially high levels of 3,000mg/l to <500mg/l as required by the CHP system.

I. Combined Heat and Power Generator

The CHP boiler room will contain a 0.5MWe Combined Heat and Power generator. The electrical power produced by the Combined Heat and Power plant will be used to provide the complete electrical power demand for the Anaerobic Digestion plant. The boiler room will also house a 150kWt dual fuel oil-biogas boiler; this will serve as a back-up in the case of maintenance on the CHP unit. Heat produced by the CHP generator will be used to pre-heat the inputs in the Anaerobic digester feed tank, maintain the Anaerobic Digester tanks temperature of average 38degC.

J. Gas Flare

The gas flare is a safety measure in which in the event of an over pressure in the system the excess biogas will be flared.

K. Digestate Recirculation

Part of the digestate will be re-circulated back into the reception tank. Liquid digestate can be re-circulated to the reception tank to ensure that the incoming sludge's are of the correct consistency to allow easy handling. Recirculation pipes will be controlled by one-way valves.

Anaerobic Digestion Plant Maintenance

Maintenance for the plant will be carried out by specialized sub-contractors. The required maintenance for the CHP generator, pumps and other components that make up the Digestion plant will be scheduled by the Facility Manager. Full machine histories will be developed and from this an effective preventative maintenance program will be adopted.

D.2 b) Flow Diagram of the Process

See detail provided above and the attached process layout Drawing 2 (Process Technology)

D.2.c) Details of any aspects of the facility that can cause emissions to the environment during normal operations and also in the event of a malfunction or interruption of services.

Please see the EIS for information on the following:

- Noise (see Section 4.1.1, 4.1.2, 4.9 & 5.9 of the EIS)
- Odour (see Section 4.1.1, 4.1.2, 4.6 & 5.6 of the EIS & D.2a Unit Operations above).
Background odour and bioaerosol monitoring will be carried out prior to commencement of activities on site
- Dust (see Section 4.1.1, 4.1.2, 4.7 & 5.7 of the EIS)
- Water ((see Section 4.5 of the EIS)

Under normal operation the CHP generator will generate emissions similar to that of a standard combustion engine. In the event of a malfunction the CHP generator would most likely cease operation. In this scenario the Biogas would be stored in the double membrane gas storage bag within each Anaerobic Digester tank until such a time as the CHP generator is operational again.

D.2.d) Laboratory Facilities

It is not intended at this point in time to have laboratory facilities at the facility. In general, external accredited laboratory will be used. There will be basic laboratory facilities on site. There will be both Salmonella and Ecoli testing points at critical points during the digestion process. Laboratory facilities will include:

- Oven (≤ 600 deg C) for Volatile Solids and Dry Matter content testing
- Storage space for lab equipment and Salmonella and Ecoli samples.
- PH meter
- Portable gas analyser
- BOD and COD testing equipment

ATTACHMENT D.2.a)

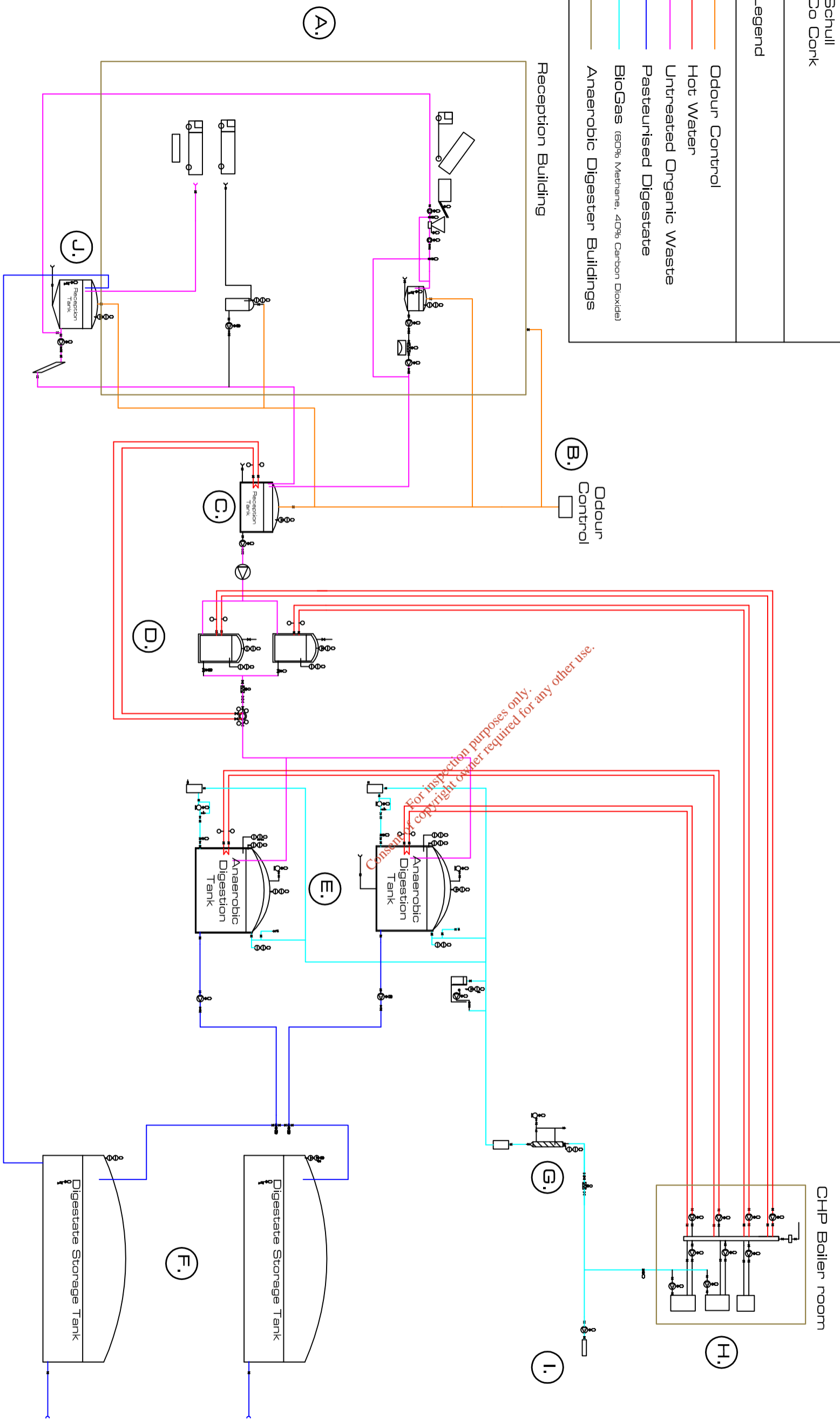
- Drawing 2 (Process Technology)
- Figure D.1 Anaerobic Digestion Layout

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Drawing 2 (Process Technology)
 Drawings prepared by:
 Tony Dineen BEng Struct. MIEI,
 BioPower Ltd
 48 Main Street
 Schull
 Co Cork

Legend

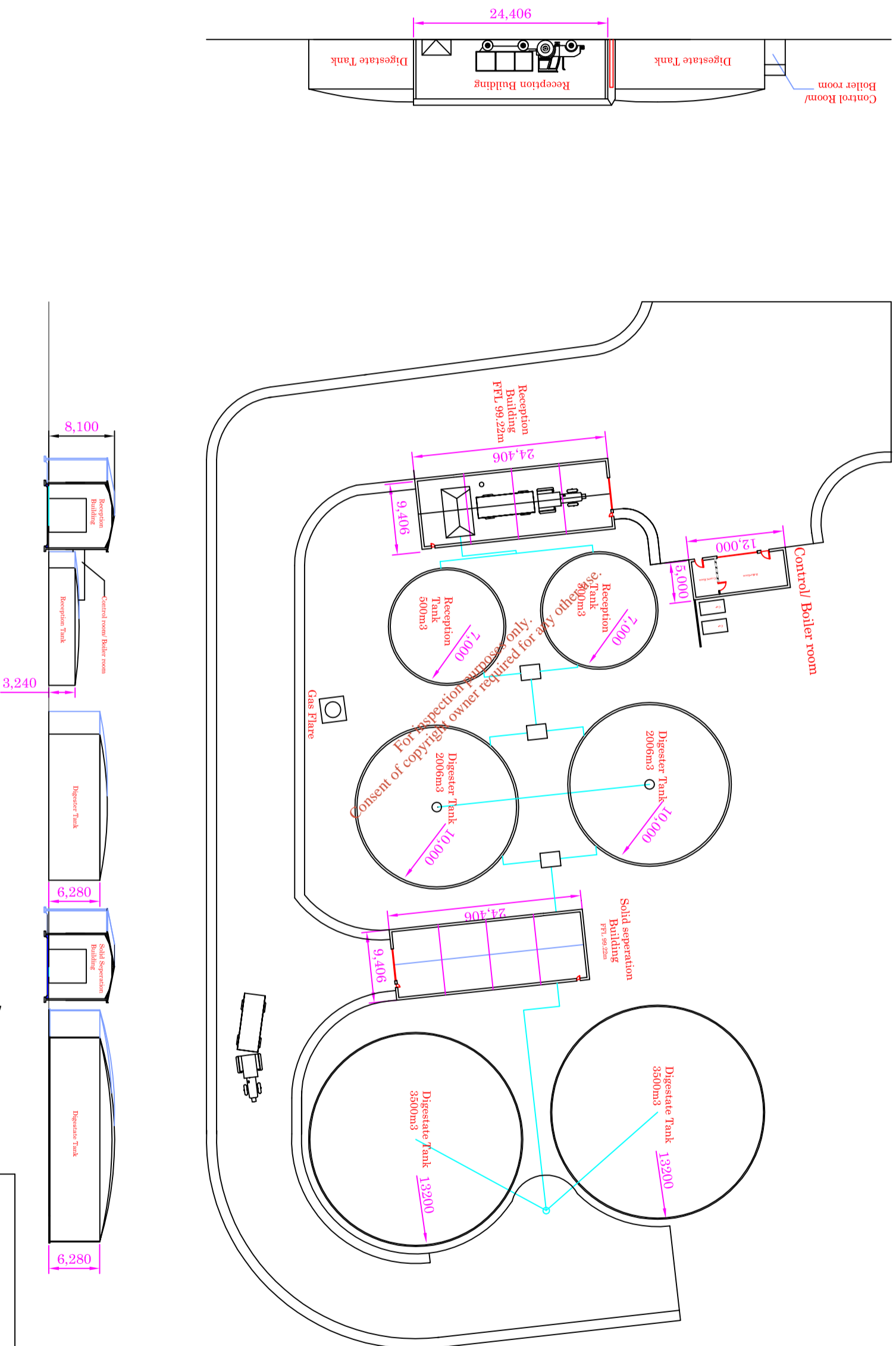
- Odour Control
- Hot Water
- Untreated Organic Waste
- Pasteurised Digestate
- BioGas (60% Methane, 40% Carbon Dioxide)
- Anaerobic Digester Buildings



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Anaerobic Digestion Layout

Figure D.1



NOTES:

ALL BUILDING, CONSTRUCTION MATERIALS AND SPECIFICATIONS TO COMPLY WITH THE CURRENT BUILDING REGULATIONS AND THE DEPARTMENT OF THE ENVIRONMENT RECOMMENDATIONS. FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALE. CONTRACTOR TO CHECK ALL DIMENSIONS ON SITE BEFORE STARTING WORK. ARCHITECT TO BE INFORMED OF ANY DISCREPANCIES BEFORE WORK PROCEEDS. LARGE SCALED DRAWINGS TAKE PREFERENCE OVER SMALLER DRAWINGS.

NOTES: All dimensions in mm

Anaerobic Digestion layout		
Drawings prepared by:	Tim Clarke BSc MSc Waste Works Ventury, Trillick, Co. Kerry	
Scale: NTS	Date: 11/12/09	Dwg No: Figure D1

ATTACHMENT E EMISSIONS

Attachment E.1 Emissions to Atmosphere

Emissions to the atmosphere are outlined in Sections 4.6 and 4.7 of the EIS.

Emissions to atmosphere include:

- Odour from the acceptance of waste and anaerobic digestion processes
- Dust emissions from movement of vehicles to and from the site
- Emissions from the energy utilisation plant (CHP unit) and flare.

Attachment E.2 Emissions to Surface Water

Emissions to Water are discussed in Section 4.5 of the EIS. There will be no emissions to surface water.

Attachment E.3 Emissions to Sewer

Not Applicable.

Attachment E.4 Emissions to Groundwater

Emissions to Water are discussed in Section 4.5 of the EIS. There will be no direct discharges to groundwater.

Attachment E.5 Noise Emissions

Noise emissions from the proposed facility are discussed in Section 4.9 of the EIS.

Attachment E.6 Environmental Nuisance

Control of environmental nuisance is discussed below:

Birds

Birds can be a considerable nuisance in waste management facilities if there is source of food present for scavenging. Waste activities at the facility will be carried out within buildings. Doors to the building will be open for a limited amount of time, just sufficient to allow the vehicles enter and leave the building. In addition, all vehicles entering the site will be completely covered. This will minimise the potential for birds scavenging on site.

Dust Control

All processes will take place within the confines of dedicated buildings, which will minimise the potential for dust emissions. The reception building will be under negative pressure. The air from the waste reception hall will be discharged through a biofilter. Wheel washing and dust suppression of on-site roads by spraying with water during dry periods will also minimise dust generation.

Fire Control

See Attachment D.1.n for details on fire control

Litter Control

Litter will be controlled at the proposed facility as all waste being delivered to the site will be in enclosed or covered collection vehicles. In addition all waste acceptance and processing

activities will be conditioned within dedicated buildings e.g. waste reception hall. As a precaution regular litter patrols of the site perimeter and access road will be undertaken.

Traffic Control

See Attachment D.1.j for details on traffic control.

Vermin Control

Vermin and insects can potentially be a nuisance at waste management facilities. However, at the proposed facility, all operations will be carried out within dedicated buildings. Strict hygiene procedures will be put in place which will require the regular cleaning of all plant and waste acceptance areas. As a precautionary measure, ADPower Roscommon will retain a vermin control specialist to implement vermin control measures on site. The facility will be regularly inspected and the required measures will be taken if evidence of vermin is found on site.

Road Cleansing

In dry weather, site roads and any other areas used by vehicles will be sprayed with water as and when required to minimise airborne dust nuisance.

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ATTACHMENT F CONTROL & MONITORING

Attachment F.1 Emissions and Abatement*To Atmosphere*

Details of Air abatement controls are outlined in Attachment D2 above and in Sections 4 and 5 of the EIS.

To Surface Water/Sewers/Groundwaters

Details are outlined in Sections 4 and 5 of the EIS.

Attachment F.2 – F.9 Monitoring and Sampling Points

The proposed monitoring and sampling points are shown in Figure F.1. Tables F.1 to F.5 outline the number and monitoring frequency for each parameter.

Attachment F.2 Air

See Table F.1 below

Attachment F.3 Surface Water

See Tables F.1 and F.3 below

Attachment F.4 Sewer Discharge

Not applicable.

Attachment F.5 Groundwater

Not applicable.

Attachment F.6 Noise

See Table F.1 below

Attachment F7 Meteorological Data

See Table F.1 below

Attachment F.8 Leachate

Not Applicable.

Attachment F.9 Landfill Gas

Not Applicable.

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Parameters/ Media to be Monitored

Figure F.1 details the proposed monitoring locations for the facility. The Tables below summarise the proposed monitoring locations and frequency for the different media to be monitored.

Table F.1: Proposed Monitoring Locations and Frequencies

Parameter	Location	Monitoring Frequency
Dust Deposition	D1	Three times a year ^{Note 1}
	D2	Three times a year ^{Note 1}
	D3	Three times a year ^{Note 1}
	D4	Three times a year ^{Note 1}
Noise	N1	Annually
	N2	Annually
	N3	Annually
	N4	Annually
Biofilter	A2-1	Refer to Table F.2
Surface Water	SW1	Biannually (Refer to Table F.3)
	SW2	Biannually (Refer to Table F.3)
Meteorological Monitoring	Nearest synoptic station	Refer to Table F.4
Digestate Quality	Final Digestate	Monthly
Gas Utilisation Plant	A2-2	Refer to Table F.5
Gas Flare	A2-3	Refer to Table F.5

Table F.2: Schedule of Monitoring for the Biofilter ^{Note 1}

Parameter	Monitoring Frequency	Analysis - Method/Technique
Bed Media		
Odour assessment ^{Note 2}	Daily	Subjective Inspection
Condition and depth of biofilter ^{Note 3}	Daily	Visual Inspection
Moisture content	Bi-annually	Standard laboratory method
pH	Bi-annually	pH probe
Ammonia	Bi-annually	Standard laboratory method
Total viable counts	Bi-annually	Standard laboratory method
Inlet and Outlet Gas		
Ammonia	Bi-annually	Colourimetric Indicator Tubes
Hydrogen sulphide	Bi-annually	Colourimetric Indicator Tubes
Mercaptans	Bi-annually	Colourimetric Indicator Tubes

Note 1: A competent laboratory using standard and internationally acceptable techniques shall carry out the analyses.

Note 2: This subjective assessment to be carried out by a staff member immediately upon arriving on-site

Note 3: The biofilter shall be examined to ensure that no channelling is evident, and that moisture content is adequate.

Surface Water Monitoring

Proposed surface water quality monitoring parameters and frequency are set out in Table F.3.

Table F.3: Surface Water Monitoring

Parameter	Monitoring Frequency	Analysis Method/Technique
pH	Biannually	Electrometry
Biochemical Oxygen Demand	Biannually	Standard Method
Suspended Solids	Biannually	Standard Method
Total Nitrogen	Biannually	Standard Method
Total Ammonia	Biannually	Standard Method
Total Phosphorus (as P)	Biannually	Standard Method
Chemical Oxygen Demand	Biannually	Standard Method

Electrical Conductivity	Biannually	Standard Method
Temperature	Biannually	Standard Method
Fats oils, & grease	Biannually	Standard Method

Table F.4: Meteorological Monitoring

Parameter	Monitoring Frequency
Precipitation Volume	Monthly
Wind Force and Direction	Daily

Data to be obtained from the nearest weather station.

Digestate Quality

Analysis to include pH, total and available (NH₄) nitrogen, total phosphorus, potassium, sulphur, lead, cadmium, chromium, mercury, copper, zinc, nickel

Gas Flare and Gas Utilisation Plant

The gas utilisation plant and gas flare will be monitored in accordance with Table F.5.

Table F.5: Monitoring of Gas Utilisation Plant

Parameter	Monitoring Frequency	Analysis Method/Technique
Inlet		
Carbon dioxide (CO ₂)%v/v	Weekly	Infrared analyser/ thermal conductivity
Oxygen (O ₂) %v/v	Weekly	Electrochemical/thermal conductivity
Methane (CH ₄) %v/v	Weekly	Infrared analyser or equivalent approved
Process Parameters		
Combustion Temperature	Continuous	Temperature Probe/datalogger
Residence Time	Quarterly	To be agreed
Outlet		
CO	Biannually	Flue gas analyser/
NOX (NO ₂ and NO)	Annually	Flue gas analyser/
SO ₂	Annually	Flue gas analyser/
Total Particulates (PM ₁₀) ₂	Annually	Isokinetic/Gravimetric

ATTACHMENT F2


















- Figure F.1 Proposed Monitoring Locations

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Monitoring Locations

Scale: NTS

Legend

-  Site Boundary
-  Anaerobic Digestion Plant Boundary
-  Percolation area for storm water runoff
-  On Site Road way
-  Existing forestry
-  Weighbridge
-  Bore hole
-  Stream
-  Road
-  Existing buildings
-  Site Contours (TBM=100m)
-  Biofilter
-  Noise Monitoring station
-  Surface water monitoring station
-  Dust/ air monitoring
-  Gas Utilisation Plant (CHP Engine)
-  Gas Flare

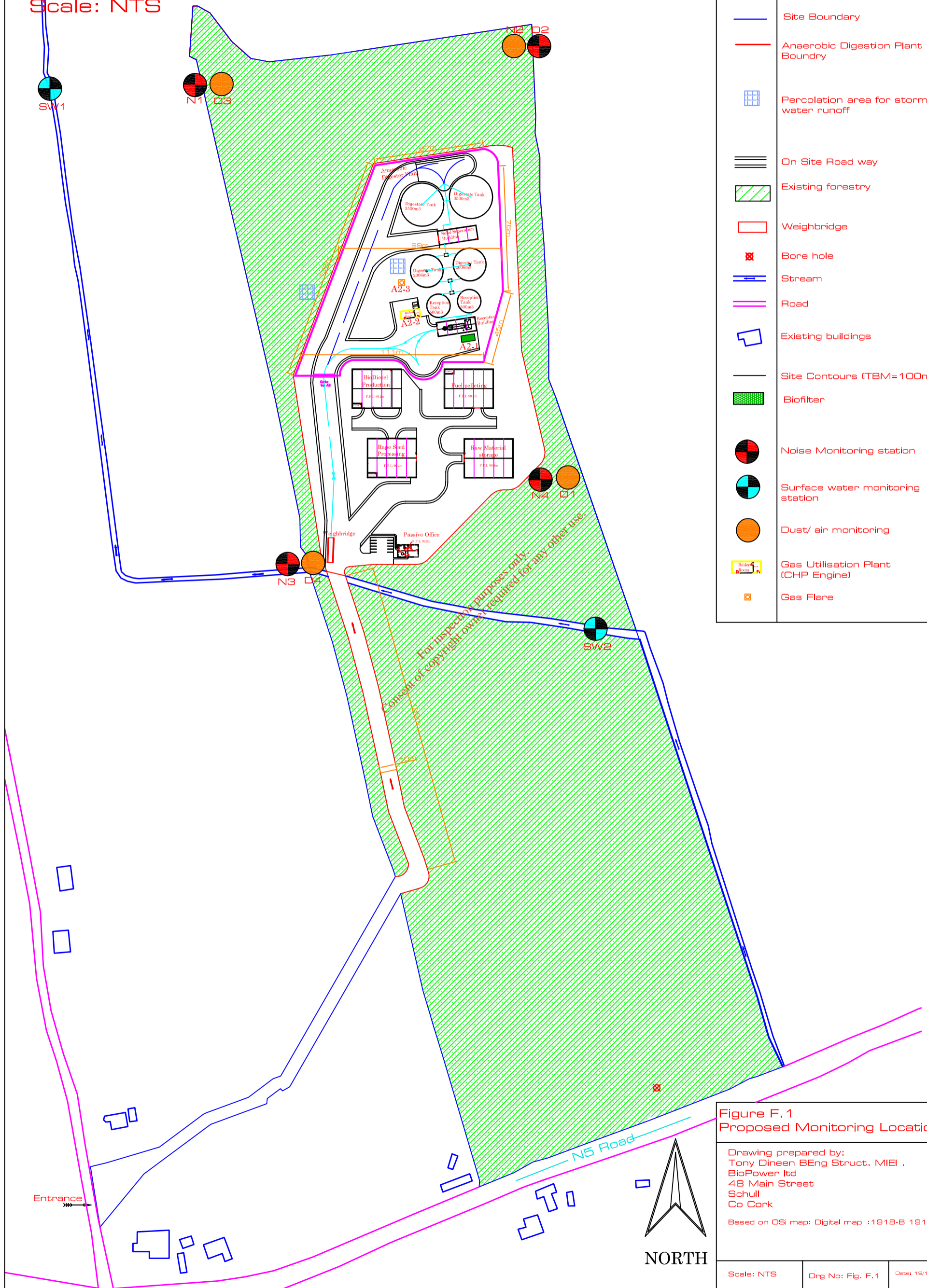


Figure F. 1
Proposed Monitoring Locations

Drawing prepared by:
Tony Dineen BEng Struct. MIEI .
BioPower Ltd
48 Main Street
Schull
Co Cork
Based on OSi map: Digital map : 1918-B 1918-D

Scale: NTS	Dwg No: Fig. F.1	Date: 18/12/09
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ATTACHMENT G. RESOURCE USE AND ENERGY EFFICIENCY

Attachment G.1 Raw Materials and Product

The purpose of the facility is to convert biodegradable waste into energy through anaerobic digestion. The main raw material for the process is the biodegradable waste. To meet Animal By-Products Regulations requirements certain disinfectants will be required at the site. The chemicals used will be selected from the Department of Agriculture and Food approved list for facilities falling under the Animal By-Products Regulations. Diesel, lubricating oil and hydraulic oil will be used in the waste processing equipment. An onsite well will be used to provide water for the facility. The exact quantities to be used are unknown but will be continuously monitored from commencement of operation to improve efficiencies.

Attachments G.2 Energy Efficiency

The anaerobic digestion will generate energy (electricity and heat). It is expected that 0.5MWe will be generated and the exact quantity will depend on the waste types being processed. Energy (electricity and heat) generated from the process will be used in the process. An energy audit will be conducted annually to ensure energy is being used efficiently.

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ATTACHMENT H – MATERIALS HANDLING

Attachment H.1 Waste Types and Quantities

It is proposed to accept up to 24,999 tonnes per annum at the facility. It is requested that licence conditions give flexibility to the makeup of this overall tonnage of 24,999 tonnes per annum. The target is to accept up to 20,000 tonnes per annum of source separated biodegradable waste, 2,500 tonnes of industrial non hazardous sludges and 2,499 tonnes of sewage sludges. However the makeup of these waste streams will vary and the applicant does not wish to be restricted to the part tonnages but will adhere to the total tonnage.

The following waste types by EWC Code will be accepted at the facility.

Waste material	EWC Code	Main Source
Plant-tissue waste	02 01 03	Wastes from agriculture, horticulture & forestry
Sludges from washing and cleaning	02 02 01	Wastes from the preparation and processing of meat, fish and other foods of animal origin
Animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site	02 01 06	Wastes from the preparation and processing of meat, fish and other foods of animal origin
Materials unsuitable for consumption or processing	02 02 03	Wastes from the preparation and processing of meat, fish and other foods of animal origin
Sludges from on-site effluent treatment	02 02 04	Wastes from the preparation and processing of meat, fish and other foods of animal origin
Waste not otherwise specified	02 02 99	Wastes from the preparation and processing of meat, fish and other foods of animal origin
Sludges from washing, cleaning, peeling, centrifuging and separation	02 03 01	Wastes from fruit, vegetable & cereal ...
Materials unsuitable for consumption or processing	02 03 04	Wastes from fruit, vegetable & cereal ...
Sludges from on-site effluent treatment	02 03 05	Wastes from fruit, vegetable & cereal ...
Wastes not otherwise specified	02 03 99	Wastes from fruit, vegetable & cereal ...
Materials unsuitable for consumption or processing	02 05 01	Wastes from the dairy products industry
Sludges from on-site effluent treatment	02 05 02	Wastes from the dairy products industry
Wastes not otherwise specified	02 05 99	Wastes from the dairy products industry
Materials unsuitable for consumption or processing	02 06 01	Wastes from the baking and confectionery industry
Sludges from on-site effluent treatment	02 06 03	Wastes from the baking and confectionery industry
Waste not otherwise specified	02 06 99	Wastes from the baking and confectionery industry
Wastes from spirits distillation	02 07 02	Wastes from the production of alcoholic and non-alcoholic beverages
Materials unsuitable for consumption or processing	02 07 04	Wastes from the production of alcoholic and non-alcoholic beverages
Sludges from on-site effluent treatment	02 07 05	Wastes from the production of alcoholic and non-alcoholic beverages
Waste not otherwise specified	02 07 99	Wastes from the production of alcoholic and non-alcoholic beverages
Sludges from the physico/chemical treatment other than those mentioned in 19 02 05	19 02 06	wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
Sludges from the treatment of industrial waste water	19 08 04	wastes from waste water treatment plants not otherwise specified

sludges from treatment of urban waste water	19 08 05	wastes from waste water treatment plants not otherwise specified
Sludges from other treatment of industrial waste water other than those mentioned in 19 08 13	19 08 14	wastes from waste water treatment plants not otherwise specified
Biodegradable kitchen and canteen waste	20 01 08	Municipal wastes including separately collected fractions
Edible oil and fat	20 01 25	Municipal wastes including separately collected fractions
Biodegradable waste	20 02 01	Garden and park wastes
Septic tank sludges	20 03 04	other municipal wastes

Attachment H.2 Waste Acceptance Procedures

Attachment D.2 above provides details on the facility operations at the facility. Standard operating procedures for the acceptance, handling and processing of waste will be developed prior to commencement of waste operations at the facility

Attachment H.3 Waste Handling

See above

Attachment H.4 Waste Arisings

No waste arisings are expected from the process

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ATTACHMENT I - EXISTING ENVIRONMENT AND IMPACT OF THE FACILITY

Attachment I.1 – Assessment of Atmospheric Emissions

Section 4 of the EIS assesses the existing air quality and the potential impacts of the proposed environment.

Attachment I.2 – Assessment of impacts of surface water discharges on the receiving waters

Section 4.5 of the EIS assesses the existing quality of receiving surface waters in the vicinity of the site and the potential impacts of the proposed environment. There will be no emissions to surface water.

Attachment I.3 – Assessment of Impact on receiving sewer

Not applicable.

Attachment I.4 – Assessment of impact of groundwater and soils

Section 4 of the EIS assesses the geology and hydrogeology in the existing environment and the potential impacts of the proposed environment.

Attachment I.5 – Ground and/or groundwater contamination

Sections 4 of the EIS assess the geology and hydrogeology in the existing environment and the potential impacts of the proposed environment.

Attachment 1.6 – Noise Impacts

Section 4.9 of the EIS assesses noise levels in the existing environment and the potential noise impacts of the proposed environment.

Attachment I.7 – Assessment of Ecological Impacts and Mitigation Measures

Section 4.3 of the EIS details the ecological assessment that was carried out, as well as the mitigation measures proposed.

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ATTACHMENT J - ACCIDENT PREVENTION AND EMERGENCY RESPONSE

Attachment J.1 – Accident Prevention and Emergency Response

It is not anticipated that the operation of the facility will present any danger to the public. Access to the site will be restricted to employees, hauliers and pre-arranged visitors. All visitors, once on site, will be accompanied by a member of staff at all times. Procedures will be put in place to ensure the health and safety of all persons entering the site.

Fire

It is envisaged that the nature of the operation does not pose a major risk of fire although, as a minimum, the following steps will be taken to ensure an acceptable level of fire safety:

- Training of all site operatives and employees in fire prevention and control;
- Prominent posting of emergency response contact numbers (fire service, gardai, ambulance and other agencies)
- The provision of on-site water supply
- The provision of fire fighting equipment in the site office
- There will be no long term storage of waste on-site.

All buildings will be equipped with heat and smoke sensors so that in the event of a fire both the site management and emergency services can be quickly alerted.

Safety Procedures On-Site

Safety procedures will be developed specific to the site. These procedures will apply to the entire site area. The safety procedures will be constantly reviewed by a safety officer and the operators of the facility. The facility will be operated in full accordance with documented procedures, including operational procedures, emergency procedures, etc. All processes will be continuously monitored and recorded. Regular safety audits will be carried out on site to ensure the safety of all personnel working on or visiting the facility.

All processes will be carried out within dedicated buildings. Vehicular traffic movements within the site will be restricted and monitored and all traffic movements will be subject to strict procedures, in full accordance with health and safety requirements.

The facility will operate under a waste licence issued by the Environmental Protection Agency. The licence will, when issued, require the licensee to *inter alia* have the following procedures/systems in place:

- full training for all employees
- An updated environmental management system (EMS) that will require the licensee to set objectives and targets for environmental control at the site. The EMS will also require a complete set of documented procedures for operations and environmental controls at the site.
- Emergency Response Procedures: - this document will set out all procedures that, in the event of an emergency, will be undertaken by personnel at the facility. The document will contain a list of contact names and numbers for emergency personnel.

Operational Failure of Plant and Equipment/Emergency Breakdown

Breakdown of equipment will be handled by prompt repair and/or replacement of equipment. Equipment on-site is maintained on a regular basis. In the event of long-term breakdown of equipment or plant waste will be diverted to an authorised facility.

ATTACHMENT K - REMEDIATION, DECOMMISSIONING, RESTORATION AND AFTERCARE

It is anticipated that the plant will be operated indefinitely. However if the facility should close for some unforeseen reason all waste and all equipment will be removed from the facility. Waste would be removed to authorised facilities. Equipment would be recycled where possible. The building where waste activities are proposed would remain and would likely be used again.

An Environmental Liabilities Risk Assessment will be prepared for the facility and will be submitted to the Agency once the facility is operational.

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ATTACHMENT L - STATUTORY REQUIREMENTS

Attachment L.1 – Statutory Requirements

The information submitted in the Waste Licence Application and its attachments, including the Environmental Impact Statement complies fully with Section 40 (4) [(a) to (i)] of the Waste Management Acts.

Best Available Techniques (BAT) will be used throughout the development. The extensive waste management and experience of BioPower/ ADPower Roscommon Limited will ensure BAT is implemented.

Attachment L.2 Fit and Proper Person

ADPower Roscommon Ltd is a special purpose company established in 2009 to develop the facility at Roscommon. AD Power Roscommon Ltd is a 100% subsidiary of BioPower Ltd.

BioPower was formed just over 2 years ago and has been in a project development phase of operations. BioPower is now moving towards the commercial phase of operations and intends to be the leading force in the crucial Waste to Energy sector. Over the course of the next 5 years BioPower intends to roll out 30 BioParks® which will include anaerobic digestion treatment, across the UK & Ireland with the capability of handling in excess of 800,000 tons of 'environmentally & politically challenging' waste streams (Sewage Sludge, Industrial Sludge, Organic/Food Waste).

BioPower will convert these streams into Energy Rich Solutions:

- BioGas;
- Electricity & Heat; and
- high value Fertilisers.

The Applicant (ADPower Roscommon Limited) or BioPower have never been convicted under the Waste Management Acts 1996 to 2008, the EPA Act 1992 and 2003, the Local Government (Water Pollution) Acts 1977 and 1990 or the Air Pollution Act 1987.

Attachment C.1 outlines the applicant's technical knowledge and qualifications.

Since ADPower Roscommon Ltd was only established in 2009 it has no financial history. Details of BioPowers most recent audited accounts are attached. As one would expect these reflect that the company is in development phase. Financial provisions will be put in place to address risk liabilities. The cost of managing, developing, operating, and monitoring the facility will be borne by the applicant.

ATTACHMENT L.2

- BioPowers Audited Accounts

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BIOPOWER LIMITED

REPORTS AND FINANCIAL STATEMENTS

FOR THE YEAR ENDED 30 SEPTEMBER 2008

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BIPOPOWER LIMITED

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BIOWATER LIMITED

DIRECTORS AND OTHER INFORMATION

DIRECTORS	Donall O'Laoire William Daunt Walter Ryan-Purcell
COMPANY SECRETARY	Walter Ryan-Purcell
COMPANY NUMBER	355995
REGISTERED OFFICE	48 Main Street Schull Co. Cork
AUDITORS	Deloitte & Touche Chartered Accountants & Registered Auditors No. 6 Lapp's Quay Cork
BUSINESS ADDRESS	48 Main Street Schull Co Cork
BANKERS	AIB Bank Ballincollig Co.Cork
SOLICITORS	Ronan Daly Jermyn 12 South Mall Cork

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BIOWPOWER LIMITED

DIRECTORS' REPORT

The directors present their annual report together with the audited financial statements for the year ended 30 September 2008.

PRINCIPAL ACTIVITY AND REVIEW OF THE BUSINESS

The principal activity of the company is to provide energy from waste and agricultural products.

FINANCING AND STRUCTURE

The company is currently funded by a commitment of continued financial support from the parent company Biopower Group Public Limited Company that will enable the company to continue to trade for the foreseeable future. For further information refer to Note 2 to the financial statements.

FUTURE DEVELOPMENTS

The directors do not foresee any significant change to the company's operations in the short to medium term.

RESULTS FOR THE YEAR

	2008	2007
	€	€
Loss for the financial year amounted to	<u>(67,960)</u>	<u>(104,805)</u>

The directors do not recommend the payment of a final dividend in respect of the year ended 30 September 2008.

POST BALANCE SHEET EVENTS

There have been no significant events affecting the company since the year end.

DIRECTORS

The present membership of the Board is set out on page 2. On 4 December 2007, Walter Ryan-Purcell was appointed as director and secretary to the company. On the same date Donall O'Laoire resigned as company secretary. All other directors served throughout the year.

BOOKS AND RECORDS

To ensure that proper books and accounting records are kept in accordance with Section 202 of the Companies Act, 1990, the directors have employed appropriately qualified accounting personnel and have maintained appropriate computerised accounting systems. The books of account are located at the company's registered office.

BIOPOWER LIMITED

DIRECTORS' REPORT

DIRECTORS' AND SECRETARY'S INTERESTS IN SHARES

The directors and secretary of the company who held office at 30 September 2008 did not have any interests in the shares of the company.

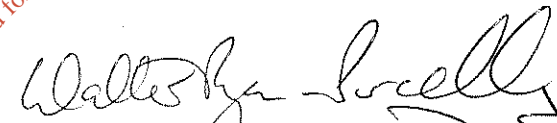
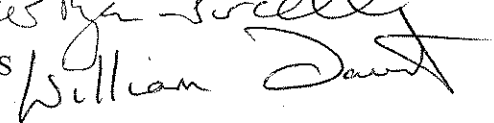
The directors and secretary had interests in the shares of Biopower Group Public Limited Company, the parent company as follows:

Director	Type of shareholding	No. of shares held	
		30/09/08	01/10/07
Donall O'Laoire	Ordinary Shares €0.01 each	850,000	850,000
William Daunt	Ordinary Shares €0.01 each	175,000	175,000
Walter Ryan-Purcell (Director and Secretary)	Ordinary Shares €0.01 each	2,000,000	-

AUDITORS

The auditors, Deloitte & Touche, Chartered Accountants & Registered Auditors, have expressed their willingness to continue in office in accordance with the provisions of Section 160(2) of the Companies Act, 1993.

On behalf of the Board

) 
) DIRECTORS 

Date: 11 August 2009

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BIOWPOWER LIMITED

STATEMENT OF DIRECTORS' RESPONSIBILITIES

Irish company law requires the directors to prepare financial statements for each financial year which give a true and fair view of the state of the affairs of the company and of the profit or loss of the company for that year. In preparing those financial statements, the directors are required to:

- select suitable accounting policies and apply them consistently;
- make judgements and estimates that are reasonable and prudent; and
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the company will continue in business.

The directors are responsible for keeping proper books of account which disclose with reasonable accuracy at any time the financial position of the company and to enable them to ensure that the financial statements are prepared in accordance with accounting standards generally accepted in Ireland and comply with Irish statute comprising the Companies Acts 1963 to 2009. They are also responsible for safeguarding the assets of the company and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

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INDEPENDENT AUDITORS' REPORT TO THE MEMBERS OF BIOPOWER LIMITED

We have audited the financial statements of Biopower Limited for the year from incorporation to 30 September 2008 which comprise the Profit and Loss Account, the Balance Sheet and the related notes (1 to 16). These financial statements have been prepared under the accounting policies set out therein.

This report is made solely to the company's members, as a body, in accordance with Section 193 of the Companies Act 1990. Our audit work has been undertaken so that we might state to the company's members those matters we are required to state to them in an auditors' report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than the company and the company's members, as a body, for our audit work, for this report, or for the opinions we have formed.

Respective responsibilities of directors and auditors

The directors are responsible for preparing the financial statements as set out in the Statement of Directors' Responsibilities in accordance with applicable law and accounting standards issued by the Accounting Standards Board and published by the Institute of Chartered Accountants in Ireland (Generally Accepted Accounting Practice in Ireland).

Our responsibility, as independent auditors, is to audit the financial statements in accordance with relevant legal and regulatory requirements and International Standards on Auditing (UK and Ireland).

We report to you our opinion as to whether the financial statements give a true and fair view in accordance with Generally Accepted Accounting Practice in Ireland, and are properly prepared in accordance with Irish statute comprising the Companies Acts 1963 to 2009. We also report to you whether, in our opinion, proper books of account have been kept by the company; whether, at the balance sheet date, there exists a financial situation requiring the convening of an extraordinary general meeting of the company; and whether the information given in the directors' report is consistent with the financial statements. In addition, we state whether we have obtained all information and explanations necessary for the purposes of our audit and whether the company's balance sheet and profit and loss account are in agreement with the books of account.

We also report to you if, in our opinion, any information specified by law regarding directors' remuneration and directors' transactions is not disclosed and, where practicable, include such information in our report.

We read the Directors' Report and we consider the implications for our report if we become aware of any apparent mis-statement within it. Our responsibilities do not extend to other information.

(Continued on next page)

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INDEPENDENT AUDITORS' REPORT TO THE MEMBERS OF BIOPOWER LIMITED

Basis of audit opinion

We conducted our audit in accordance with International Standards on Auditing (UK and Ireland) issued by the Auditing Practices Board. An audit includes examination, on a test basis, of evidence relevant to the amounts and disclosures in the financial statements. It also includes an assessment of the significant estimates and judgements made by the directors in the preparation of the financial statements and whether the accounting policies are appropriate to the company's circumstances, consistently applied and adequately disclosed.

We planned and performed our audit so as to obtain all the information and explanations which we considered necessary in order to provide us with sufficient evidence to give reasonable assurance that the financial statements are free from material mis-statement whether caused by fraud or other irregularity or error. In forming our opinion we evaluated the overall adequacy of the presentation of information in the financial statements.

Opinion

In our opinion the financial statements:

- * give a true and fair view, in accordance with Generally Accepted Accounting Practice in Ireland of the state of the affairs of the company as at 30 September 2008 and of the loss for the year then ended; and
- * have been properly prepared in accordance with the Companies Acts 1963 to 2009.

Emphasis of Matter- Going Concern

Without qualifying our opinion, we draw your attention to Note 2 to the financial statements which indicates that the company incurred a loss during the year of €67,960 and had net liabilities of €171,765 at the balance sheet date. These conditions indicate the existence of a uncertainty which may cast doubt about the company's ability to continue as a going concern. The company is dependent on and has obtained written confirmation of continued support from the company's parent company for a period of not less than twelve months from the date of approval of the financial statements. The report of the auditors on the financial statements of the parent company for the year ended 30 September 2008 draws attention to the existence of a material uncertainty which may cast significant doubt about the company's ability to continue as a going concern, which is particularly dependent on fund-raising activity including a share issue currently in progress. The directors have prepared the financial statements of the company on the basis that the company is a going concern. The financial statements do not include the adjustments that would result if the company was unable to continue as a going concern.

(Continued on next page)

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INDEPENDENT AUDITORS' REPORT TO THE MEMBERS OF BIOPOWER LIMITED

We have obtained all the information and explanations we considered necessary for the purposes of our audit. In our opinion proper books of account have been kept by the company. The company's balance sheet and its profit and loss account are in agreement with the books of account.

In our opinion, the information given in the directors' report is consistent with the financial statements.

The liabilities of the company exceed the assets of the company, as stated on the balance sheet and, in our opinion, on that basis there did exist at 30th September 2008, a financial situation which under Section 40(1) of the Companies (Amendment) Act 1983 may require the convening of an extraordinary general meeting of the company.

Deloitte & Touche
Chartered Accountants and Registered Auditors
Cork

Date: *11 August 2009*

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BIOPOWER LIMITED
PROFIT AND LOSS ACCOUNT
FOR THE YEAR ENDED 30 SEPTEMBER 2008

Notes	2008 €	2007 €
Administrative expenses	(67,017)	(118,319)
Other operating income	-	18,235
OPERATING LOSS		
-continuing operations	(67,017)	(100,084)
interest payable and similar charges	(943)	(4,721)
LOSS ON ORDINARY		
ACTIVITIES BEFORE TAXATION	(67,960)	(104,805)
Taxation on loss on ordinary activities	-	-
LOSS ON ORDINARY		
ACTIVITIES AFTER TAXATION	(67,960)	(104,805)

There are no recognised gains or losses other than the loss for the financial year as disclosed in the profit and loss account.

The financial statements were approved by the Board of Directors on 11 August 2009 and signed on its behalf by

) *Walter Her Sell*
) DIRECTORS
) *William Daint*
)

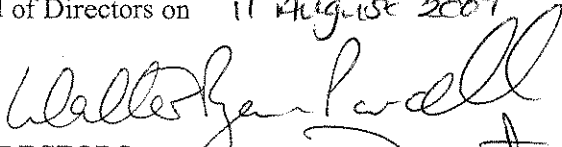
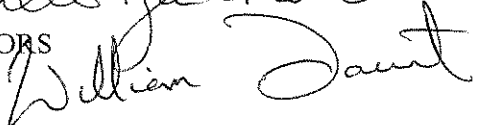
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BIOPOWER LIMITED
BALANCE SHEET
AS AT 30 SEPTEMBER 2008

	Notes	2008 €	2007 €
FIXED ASSETS			
Tangible assets	7	278,931	20,325
CURRENT ASSETS			
Debtors	8	18,230	5,897
Cash at bank and in hand		694	5,177
		18,924	11,074
CREDITORS (Amounts falling due within one year)	9	(13,276)	(12,893)
NET CURRENT ASSETS		5,648	(1,819)
TOTAL ASSETS LESS CURRENT LIABILITIES		284,579	18,506
CREDITORS (Amounts falling due after more than one year)	10	(456,344)	(122,311)
NET LIABILITIES		(171,765)	(103,805)
CAPITAL AND RESERVES			
Called up share capital	11	1,000	1,000
Profit and loss account	12	(172,765)	(104,805)
SHAREHOLDERS' DEFICIT	13	(171,765)	(103,805)

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The financial statements were approved by the Board of Directors on 11 August 2009 and signed on its behalf by

) 
) DIRECTORS
) 

BIOPOWER LIMITED

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 30 SEPTEMBER 2008

1. STATEMENT OF ACCOUNTING POLICIES

The significant accounting policies adopted by the company are as follows:

BASIS OF PREPARATION

The financial statements have been prepared in accordance with accounting standards generally accepted in Ireland and Irish statute comprising the Companies Acts, 1963 to 2009.

ACCOUNTING CONVENTION

The financial statements have been prepared under the historical cost convention.

TURNOVER

Turnover represents the invoiced amount of services provided, net of value added tax.

DEPRECIATION OF TANGIBLE ASSETS

Fixed assets are stated at cost, provision is made for depreciation on all tangible assets, at rates calculated to write off the cost of each asset over its expected useful life, as follows:

Plant and office equipment	10% Straight line basis
Leased motor vehicles	20% Straight line basis

The company is involved in the building of BioParks. The company is actively looking at various sites for development. All clearly identifiable preplanning costs in relation to site development have been capitalised in the financial statements. The costs in relation to sites for which planning has been received are classified under site costs and the sites for which planning has not yet been received are classified under site development costs. These assets will be depreciated once the plants are completed and the rate will be in line with the rate of depreciation of these plants. If any of the sites are refused planning these costs will be written off to the profit and loss account.

LEASING AND HIRE PURCHASE COMMITMENTS

Assets obtained under hire purchase contracts and finance leases are capitalised as tangible assets and depreciated over the shorter of the lease term and their useful lives. Obligations under such agreements are included in creditors net of the finance charge allocated to future periods.

Rentals in respect of all other leases are charged to the profit and loss account as incurred.

RESEARCH AND DEVELOPMENT

Research expenditure is written off to the profit and loss account in the year in which it is incurred.

GOVERNMENT GRANTS

Grants towards revenue expenditure are released to the profit and loss account as the related expenditure is incurred.

CASH FLOW STATEMENT

The company meets the size criteria for a small company set by the Companies (Amendment) Act, 1986 and therefore, in accordance with FRS 1: Cash Flow Statements, it has not prepared a cash flow statement.

BIOPOWER LIMITED

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 30 SEPTEMBER 2008

2. BASIS OF PREPARING THE FINANCIAL STATEMENTS

The company incurred a loss during the year of €67,960 and had net liabilities of €171,765 at the balance sheet date. The company is in a start up situation and expects to open its first BioPark in 2010. During this time, the company will continue to be supported by, and has obtained written confirmation of continuing support from Biopower Group Public Limited Company, for a period of not less than 12 months from the date of approval of the financial statements. The company is also involved in a fundraising campaign, and the directors are confident that it will be successful in this regard.

The financial statements of the parent company indicate that the directors are confident that fundraising activity including a share issue currently in progress will be sufficient to finance its investing activities and working capital requirements and to meet its liabilities as they fall due and for a period of not less than twelve months from the date of approval of the financial statements.

On this basis the directors consider that it is appropriate to prepare the financial statements on the going concern basis, which assumes that the company will continue in operational existence for the foreseeable future. The financial statements do not include any adjustments to the carrying amount and classification of assets and liabilities that would arise if the company was unable to continue as a going concern.

3. EMPLOYEES AND REMUNERATION

Number of employees

The average number of persons employed by the company during the year was:

	2008 Number	2007 Number
Management and administration	1	1
The staff costs are comprised of :-	2008	2007
	€	€
Wages and salaries	13,847	4,577
Social welfare costs	1,073	492
	<u>14,920</u>	<u>5,069</u>

The directors did not receive any remuneration during the year.

BIOPOWER LIMITED

**NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 SEPTEMBER 2008**

4. INTEREST PAYABLE AND SIMILAR CHARGES	2008	2007
	€	€
On bank loans and overdrafts	-	3,813
Lease finance charges	943	908
	<u>943</u>	<u>4,721</u>
5. LOSS ON ORDINARY ACTIVITIES BEFORE TAXATION	2008	2007
	€	€
Loss on ordinary activities before taxation is stated after charging:		
Depreciation of tangible assets	3,869	3,869
Auditors' remuneration	1,200	1,000
	<u>1,200</u>	<u>1,000</u>
6. TAXATION ON LOSS ON ORDINARY ACTIVITIES		
No charge to taxation arises due to losses incurred.		

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BIOPOWER LIMITED

**NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 SEPTEMBER 2008**

7. TANGIBLE ASSETS

	Site Development Costs €	Site Costs €	Plant & office equipment €	Leased motor vehicles €	Total €
Cost					
At 1 October 2007	-	-	9,694	14,500	24,194
Additions	207,789	54,686	-	-	262,475
At 30 September 2008	<u>207,789</u>	<u>54,686</u>	<u>9,694</u>	<u>14,500</u>	<u>286,669</u>
Depreciation					
At 1 October 2007	-	-	969	2,900	3,869
Charge for the year	-	-	969	2,900	3,869
At 30 September 2008	<u>-</u>	<u>-</u>	<u>1,938</u>	<u>5,800</u>	<u>7,738</u>
Net book values					
At 30 September 2008	<u>207,789</u>	<u>54,686</u>	<u>7,756</u>	<u>8,700</u>	<u>278,931</u>
At 30 September 2007	<u>-</u>	<u>-</u>	<u>8,725</u>	<u>11,600</u>	<u>20,325</u>

The basis by which depreciation is calculated is stated in Note 1.

The basis by which site costs and site development costs are capitalised is stated in Note 1.

8. DEBTORS

	2008 €	2007 €
Amounts falling due within one year:-		
Amount owed to Biopower Energy Savings Limited	12,891	-
VAT recoverable	5,289	5,897
Other debtors and prepayments	50	-
	<u>18,230</u>	<u>5,897</u>

BIOPOWER LIMITED

**NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 SEPTEMBER 2008**

9. CREDITORS (Amounts falling due within one year)	2008	2007
	€	€
Net obligations under finance leases (Note 14)	5,355	4,666
Other taxes and social security costs	-	473
Accruals	7,921	7,754
	<u>13,276</u>	<u>12,893</u>
Other taxes and social security costs	2008	2007
	€	€
PAYE/PRSI payable	-	473
Total taxes and social security costs	<u>-</u>	<u>473</u>
10. CREDITORS (Amounts falling due after more than one year)	2008	2007
	€	€
Net obligations under finance leases (Note 14)	1,645	7,002
Directors' loan	12,350	12,350
Amount owed to Biopower Group Plc	442,349	102,959
	<u>456,344</u>	<u>122,311</u>
11. CALLED UP SHARE CAPITAL	2008	2007
	€	€
Authorised :		
500,000 ordinary shares of €1.00 each	<u>500,000</u>	<u>500,000</u>
Allotted, called up and fully paid equity :		
1,000 ordinary shares of €1.00 each	<u>1,000</u>	<u>1,000</u>

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BIOWPOWER LIMITED

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 30 SEPTEMBER 2008

12. PROFIT AND LOSS ACCOUNT

	2008	2007
	€	€
Profit and loss account brought forward	(104,805)	-
Loss for the year	(67,960)	(104,805)
Profit and loss account carried forward	<u>(172,765)</u>	<u>(104,805)</u>

13. RECONCILIATION OF MOVEMENTS IN SHAREHOLDERS' DEFICIT

	2008	2007
	€	€
Loss for the year	(67,960)	(104,805)
Opening shareholders' funds	(103,805)	1,000
Closing shareholders' deficit	<u>(171,765)</u>	<u>(103,805)</u>

14. FINANCIAL COMMITMENTS

At 30 September 2008 the company had finance lease obligations, net of interest, due as follows:

Leased motor vehicles	2008	2007
	€	€
Expiry date:		
Within one year	5,355	4,666
Between two and five years	1,645	7,002
	<u>7,000</u>	<u>11,668</u>

The basis by which lease obligations are capitalised is stated in Note 1.

15. GROUP MEMBERSHIP

The company is a subsidiary of Biopower Group Public Limited Company, a company incorporated in the Republic of Ireland.

BIOPOWER LIMITED

**NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 SEPTEMBER 2008**

16. RELATED PARTY TRANSACTIONS

During the year the company had a number of transactions with its parent company Biopower Group Public Limited Company and Biopower Energy Savings Limited. The balances owed by the parent company are disclosed in Note 8 and Note 10.

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BIOPOWER LIMITED

**SCHEDULES TO THE PROFIT AND LOSS ACCOUNT
FOR THE YEAR ENDED 30 SEPTEMBER 2008**

	2008	2007
	€	€
ADMINISTRATIVE EXPENSES		
Wages and salaries	13,847	4,577
Employer's PRSI contributions	1,073	492
Staff training	350	-
Management expenses	50,990	-
Rent	7,583	4,043
Insurance	798	131
Light and heat	57	361
Hire of meeting rooms	1,025	-
Printing and stationery	6,682	1,257
Advertising and promotion costs	3,206	3,157
Telephone and postage	2,061	3,217
Computer costs	440	1,730
Motor, travel & conference expenses	-	9,326
Design, development & research costs	-	11,158
Legal and professional	-	12,615
Consultancy fees	(30,691)	57,607
Audit and accountancy fees	3,300	3,290
Bank charges	135	1,004
Sundry	1,492	385
Subscriptions	800	100
Depreciation	3,869	3,869
	<hr/>	<hr/>
	67,017	118,319
Other operating income		
Feasibility Grant	-	18,235
	<hr/>	<hr/>
	-	18,235
	<hr/>	<hr/>

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BIOPOWER LIMITED

ADDITIONAL INFORMATION NOT COVERED BY THE AUDITORS' REPORT

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Biopower Limited

Deloitte & Touche
Chartered Accountants & Registered Auditors
No. 6 Lapp's Quay
Cork

Dear Sirs,

We confirm to the best of our knowledge and belief, and having made appropriate enquiries of other officials of the company (and where appropriate, inspection of evidence) sufficient to satisfy ourselves that we can properly make each of the following representations given to you in connection with your audit of the company's financial statements for the year ended 30 September 2008 .

1. We acknowledge as directors our responsibilities under the Companies Acts 1963 to 2009 for preparing financial statements for the company which give a true and fair view and for making accurate representations to you.
2. There have been no significant transactions with the directors and officers of the company and its subsidiaries, and other related parties, other than those which are included in the notes to the financial statements.
3. That at no time during the year has the company had any arrangement, transaction or agreement to provide credit facilities (including loans, quasi-loans or credit transactions) for directors (or persons connected with them) or to guarantee or provide security for such matters (except as disclosed in the notes to the accounts)
4. We confirm that all errors known to us, or identified by you in the course of your audit and communicated to us, were adjusted.

5. Books & Records

To the best of our knowledge and belief all transactions undertaken by the company have been properly recorded in the accounting records and these financial statements and all relevant records have been given to you.

6. Profit and Loss Account

Except as disclosed in the financial statements, the results for the year were not materially affected by:

- (a) transactions of a sort not usually undertaken by the company,
- (b) circumstances of an exceptional or non-recurrent nature,
- (c) charges or credits relating to prior periods or
- (d) any change in the basis of accounting.

Any expenditure included in the financial statements (where receipts or vouchers were not available) was properly made in connection with the carrying on of the company's business, unless specifically notified to you as being of a private nature.

(continued on next page)

7. Fixed Assets

- (a) The company has a satisfactory title to all fixed assets included in the financial statements.
- (b) The fixed assets to which the company has satisfactory title are included in the financial statements.
- (c) All amounts of expenditure capitalised in respect of fixed assets as detailed in the financial statements represent expenditure incurred in acquiring additional assets or improving existing assets. No expenditure capitalised is of a revenue nature.
- (d) All costs in relation to preplanning of various sites have been capitalised. All costs in relation to sites which do not get planning with be written off at this point.

8. Bank & Cash

The balances disclosed in the financial statements for bank and cash balances held at year end reflects all bank accounts and cash balances held by the company at year-end. We confirm that the company has legal title to these amounts as stated in the financial statements.

We confirm that no bank accounts except as disclosed in the financial statements have been opened in the name of the company.

9. Debtors

Balances included in the financial statements are all valid debtors or prepayments. The bad debts written off are complete as far as the directors are aware and full provision has been against specific debts which are known or may be expected to be irrecoverable.

10. Liabilities

All known liabilities of material amount at 30 September 2008 are shown in the financial statements including the liability for all purchases to which title has passed prior to 30 September 2008 .

11. Capital Commitments

At 30 September 2008 there were no commitments for capital expenditure.

12. Contingent Liabilities

No contingent liabilities existed at 30 September 2008.

13. Post Balance Sheet Events

No events have occurred between 30 September 2008 and the date of this letter which could materially affect the financial statements.

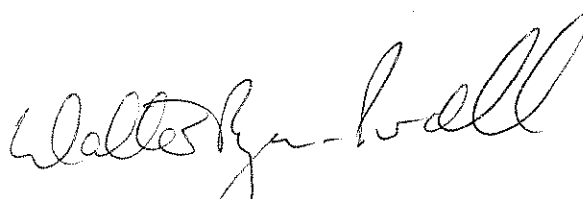

14. Going Concern

We have prepared the accounts on a going concern basis. The parent company have signed a letter undertaking to continue to provide whatever financial assistance is necessary to enable the company to continue to trade for a period of twelve months from the date of approval of these financial statements.

The directors confirm their willingness to financially support the company for the foreseeable future.

We confirm that the above representations are made on the basis of adequate enquiries of management and staff (and where appropriate, inspection of evidence) sufficient to satisfy ourselves that we can properly make each of the above representations to you.

Yours faithfully,

) 
)
) **DIRECTORS**
)
) 

**BIOPOWER GROUP PUBLIC LIMITED COMPANY
AND SUBSIDIARY COMPANIES**

**ANNUAL REPORT AND
CONSOLIDATED FINANCIAL STATEMENTS**

FOR THE YEAR ENDED 30 SEPTEMBER 2008

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BIOWPOWER GROUP PUBLIC LIMITED COMPANY AND SUBSIDIARY COMPANIES

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ANNUAL REPORT AND CONSOLIDATED FINANCIAL STATEMENTS

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BIOPOWER GROUP PUBLIC LIMITED COMPANY AND SUBSIDIARY COMPANIES

DIRECTORS AND OTHER INFORMATION

DIRECTORS

Donall O'Laoire
Michael Holland
Timothy Clarke
Michael Griffin
Walter Ryan-Purcell
Dr. Colin J. Campbell
Dr. Bernard Rice
William Daunt

COMPANY SECRETARY

Walter Ryan-Purcell

COMPANY NUMBER

437014

REGISTERED OFFICE

48 Main Street
Schull
Co. Cork

AUDITORS

Deloitte & Touche
Chartered Accountants & Registered Auditors
No. 6 Lapp's Quay
Cork

BUSINESS ADDRESS

48 Main Street
Schull
Co Cork

BANKERS

AIB Bank
Ballincollig
Co.Cork

SOLICITORS

Ronan Daly Jermyn
12 South Mall
Cork

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BIOWPOWER GROUP PUBLIC LIMITED COMPANY AND SUBSIDIARY COMPANIES

DIRECTORS' REPORT

The directors present their annual report together with the audited financial statements of the Group for the year ended 30 September 2008.

GROUP ACTIVITIES

Biopower Group Public Limited Company (the "Company") and its subsidiary undertakings (the "Group") are involved in the bio energy sector.

FINANCIAL RISK MANAGEMENT OBJECTIVES AND POLICIES

The directors have considered financial risk management issues and are satisfied with the policies that are in place to address these issues.

FUTURE DEVELOPMENTS

The directors do not foresee any significant change to the group's operations in the short to medium term.

SUBSIDIARY COMPANIES

The subsidiary companies included in these consolidated financial statements are as follows:-

Biopower Limited

Biopower Energy Savings Limited

GROUP RESULTS FOR THE YEAR AND DIVIDENDS

	2008	2007
	€	€
Loss for the financial year amounted to	(261,381)	(197,814)

The directors do not recommend the payment of a final dividend in respect of the year ended 30 September 2008 (30 September 2007: €Nil).

POST BALANCE SHEET EVENTS

There have been no significant events affecting the group since the year end. The group is currently engaged in a share issue to generate sufficient funds to finance its investing activities and working capital requirements and to meet its liabilities as they fall due for a period of not less than 12 months from the date of approval of the financial statements.

DIRECTORS

The present membership of the Board is set out on page 2.

On 14 December 2007 Donall O'Laoire resigned as secretary and Walter Ryan-Purcell was appointed as secretary and director of the company. On 11 February 2008 Stephen O'Keeffe and Kevin Donovan were appointed as directors to the company. Kevin Donovan resigned on 28 November 2008 and Stephen O'Keeffe resigned on 20 January 2009. All other directors served throughout the year.

BIOWPOWER GROUP PUBLIC LIMITED COMPANY AND SUBSIDIARY COMPANIES

DIRECTORS' REPORT

BOOKS AND RECORDS

To ensure that proper books and accounting records are kept in accordance with Section 202 of the Companies Act, 1990, the directors have employed appropriately qualified accounting personnel and have maintained appropriate computerised accounting systems. The books of account are located at the company's registered office.

DIRECTORS' AND SECRETARY'S INTERESTS IN SHARES

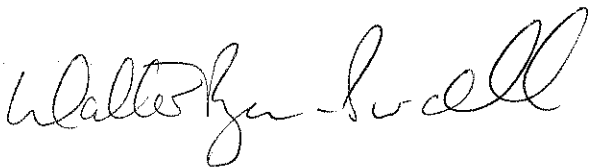
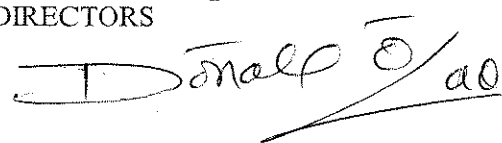
The directors and secretary had interests in the shares of Biopower Group Public Limited Company, the parent company as follows:

Director	Type of shareholding	No. of shares held	
		30/09/08	01/10/07
Donall O'Laoire	Ordinary Shares €0.01 each	850,000	850,000
Michael Holland	Ordinary Shares €0.01 each	100,000	100,000
Timothy Clarke	Ordinary Shares €0.01 each	150,000	150,000
Michael Griffin	Ordinary Shares €0.01 each	100,000	100,000
Dr. Colin J. Campbell	Ordinary Shares €0.01 each	150,000	150,000
William Daunt	Ordinary Shares €0.01 each	150,000	150,000
Walter Ryan-Purcell (Director and Secretary)	Ordinary Shares €0.01 each	2,000,000	-

AUDITORS

The auditors, Deloitte & Touche, Chartered Accountants and Registered Auditors, have expressed their willingness to continue in office in accordance with the provisions of Section 160(2) of the Companies Act, 1963.

On behalf of the Board

) 
)
) DIRECTORS
) 
)

Date: 11 August 2009

STATEMENT OF DIRECTORS' RESPONSIBILITIES

Irish company law requires the directors to prepare financial statements for each financial year which give a true and fair view of the state of the affairs of the company and of the profit or loss of the company for that period. In preparing those financial statements, the directors are required to:

- select suitable accounting policies and apply them consistently;
- make judgements and estimates that are reasonable and prudent; and
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the company will continue in business.

The directors are responsible for keeping proper books of account which disclose with reasonable accuracy at any time the financial position of the company and to enable them to ensure that the financial statements are prepared in accordance with accounting standards generally accepted in Ireland and comply with Irish statute comprising the Companies Acts 1963 to 2009 and the European Communities (Companies: Group Accounts) Regulations, 1992. They are also responsible for safeguarding the assets of the company and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

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INDEPENDENT AUDITORS' REPORT TO THE MEMBERS OF BIOPOWER GROUP PUBLIC LIMITED COMPANY AND SUBSIDIARY COMPANIES

We have audited the financial statements of Biopower Group Public Limited Company for the year ended 30 September 2008 which comprise the Consolidated Profit and Loss Account, the Consolidated Balance Sheet, the Company Balance Sheet and the related notes (1 to 23). These financial statements have been prepared under the accounting policies set out therein.

This report is made solely to the company's members, as a body, in accordance with Section 193 of the Companies Act 1990. Our audit work has been undertaken so that we might state to the company's members those matters we are required to state to them in an auditors' report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than the company and the company's members, as a body, for our audit work, for this report, or for the opinions we have formed.

Respective responsibilities of directors and auditors

The directors are responsible for preparing the financial statements, as set out in the Statement of Directors' Responsibilities in accordance with applicable law and accounting standards issued by the Accounting Standards Board and published by the Institute of Chartered Accountants in Ireland (Generally Accepted Accounting Practice in Ireland).

Our responsibility, as independent auditors, is to audit the financial statements in accordance with relevant legal and regulatory requirements and International Standards on Auditing (UK and Ireland).

We report to you our opinion as to whether the financial statements give a true and fair view in accordance with Generally Accepted Accounting Practice in Ireland, and are properly prepared in accordance with Irish statute comprising the Companies Acts 1963 to 2009 and the European Communities (Companies: Group Accounts) Regulations, 1992. We also report to you whether, in our opinion, proper books of account have been kept by the company; whether, at the balance sheet date, there exists a financial situation requiring the convening of an extraordinary general meeting of the company; and whether the information given in the Directors' Report is consistent with the financial statements. In addition, we state whether we have obtained all information and explanations necessary for the purposes of our audit and whether the company's balance sheet and profit and loss account are in agreement with the books of account.

We also report to you if, in our opinion, any information specified by law regarding directors' remuneration and directors' transactions is not disclosed and, where practicable, include such information in our report.

We read the Directors' Report and we consider the implications for our report if we become aware of any apparent mis-statement within it. Our responsibilities do not extend to other information.

(continued on next page)

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INDEPENDENT AUDITORS' REPORT TO THE MEMBERS OF BIOPOWER GROUP PUBLIC LIMITED COMPANY AND SUBSIDIARY COMPANIES

Basis of audit opinion

We conducted our audit in accordance with International Standards on Auditing (UK and Ireland) issued by the Auditing Practices Board. An audit includes examination, on a test basis, of evidence relevant to the amounts and disclosures in the financial statements. It also includes an assessment of the significant estimates and judgements made by the directors in the preparation of the financial statements and whether the accounting policies are appropriate to the company's circumstances, consistently applied and adequately disclosed.

We planned and performed our audit so as to obtain all the information and explanations which we considered necessary in order to provide us with sufficient evidence to give reasonable assurance that the financial statements are free from material mis-statement, whether caused by fraud or other irregularity or error. In forming our opinion we evaluated the overall adequacy of the presentation of information in the financial statements.

Opinion

In our opinion the financial statements:

- * give a true and fair view, in accordance with Generally Accepted Accounting Practice in Ireland of the state of the affairs of the company and the group as at 30 September 2008 and of the loss for the year then ended; and
- * have been properly prepared in accordance with the Companies Acts 1963 to 2009 and the European Communities (Companies: Group Accounts) Regulations, 1992.

Emphasis of Matter- Going Concern

Without qualifying our opinion, we draw your attention to Note 2 to the financial statements which indicates that the group incurred a loss during the year of €261,381. This condition indicates the existence of a material uncertainty which may cast significant doubt about the group's ability to continue as a going concern. The group is currently dependent on raising funds and the directors are confident that the share issue currently in progress will succeed and will generate sufficient funds to finance the group's investing activity and working capital requirements and to meet its liabilities as they fall due for a period of at least twelve months from the date of approval of the financial statements. The directors have prepared the financial statements of the group on the basis that the group is a going concern. The financial statements do not include the adjustments that would result if the group was unable to continue as a going concern.

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INDEPENDENT AUDITORS' REPORT TO THE MEMBERS OF BIOWPOWER GROUP PUBLIC LIMITED COMPANY AND SUBSIDIARY COMPANIES

We have obtained all the information and explanations we considered necessary for the purposes of our audit. In our opinion proper books of account have been kept by the company. The company's balance sheet and its profit and loss account are in agreement with the books of account.

In our opinion, the information given in the Directors' Report is consistent with the financial statements.

The net assets of the company, as stated in the balance sheet are less than half the amount of its called-up share capital and, in our opinion, on that basis there did exist at 30 September 2008, a financial situation which under Section 40(1) of the Companies (Amendment) Act 1983 may require the convening of an extraordinary general meeting of the company.

Deloitte & Touche

Chartered Accountants & Registered Auditors
Cork

Date: 11 August 2009

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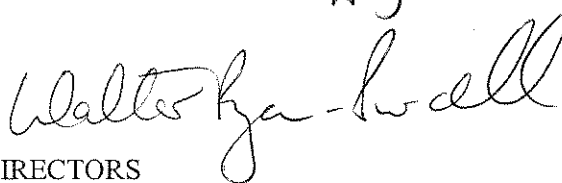
BIOPOWER GROUP PUBLIC LIMITED COMPANY AND SUBSIDIARY COMPANIES

**CONSOLIDATED PROFIT AND LOSS ACCOUNT
FOR THE YEAR ENDED 30 SEPTEMBER 2008**

	Notes	2008 €	2007 €
Turnover - continuing operations	3	18,894	-
Administrative expenses		(276,723)	(210,095)
Other operating income		-	18,235
OPERATING LOSS -continuing operations		<u>(257,829)</u>	<u>(191,860)</u>
Interest payable and similar charges	5	<u>(3,552)</u>	<u>(5,954)</u>
LOSS ON ORDINARY ACTIVITIES BEFORE TAXATION	6	<u>(261,381)</u>	<u>(197,814)</u>
Taxation on loss on ordinary activities	7	-	-
LOSS ON ORDINARY ACTIVITIES AFTER TAXATION		<u><u>(261,381)</u></u>	<u><u>(197,814)</u></u>

There are no recognised gains or losses other than the loss for the financial year as disclosed in the profit and loss account.

The financial statements were approved by the Board of Directors on 11 August 2009 and signed on its behalf by

) 
)
) DIRECTORS
)
)

BIOWPOWER GROUP PUBLIC LIMITED COMPANY AND SUBSIDIARY COMPANIES

**CONSOLIDATED BALANCE SHEET
AS AT 30 SEPTEMBER 2008**

	Notes	2008 €	2007 €
FIXED ASSETS			
Tangible assets	9	420,519	154,688
CURRENT ASSETS			
Debtors	11	19,829	9,461
Cash at bank and in hand		49,234	144,802
		69,063	154,263
CREDITORS (Amounts falling due within one year)	12	(37,796)	(51,713)
NET CURRENT ASSETS		31,267	102,550
TOTAL ASSETS LESS CURRENT LIABILITIES		451,786	257,238
CREDITORS (Amounts falling due after more than one year)	13	(20,481)	(36,052)
NET ASSETS		431,305	221,186
CAPITAL AND RESERVES			
Called up share capital	14	64,190	54,760
Share premium account	15	826,310	364,240
Profit and loss account	16	(459,195)	(197,814)
SHAREHOLDERS' FUNDS	17	431,305	221,186

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The financial statements were approved by the Board of Directors on 11 August 2009 and signed on its behalf by

) *Walter J. Powell*
) DIRECTORS
) *D. O'Leary*

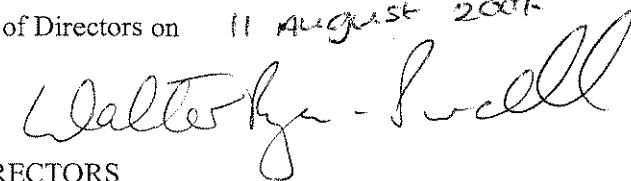

BIOWPOWER GROUP PUBLIC LIMITED COMPANY AND SUBSIDIARY COMPANIES

**COMPANY BALANCE SHEET
AS AT 30 SEPTEMBER 2008**

	Notes	2008 €	2007 €
FIXED ASSETS			
Tangible assets	9	130,751	134,363
Financial assets	10	1,002	-
		<u>131,753</u>	<u>134,363</u>
CURRENT ASSETS			
Debtors	11	515,359	106,523
Cash at bank and in hand		42,106	139,625
		<u>557,465</u>	<u>246,148</u>
CREDITORS (Amounts falling due within one year)	12	(19,182)	(38,820)
NET CURRENT ASSETS		<u>538,283</u>	<u>207,328</u>
TOTAL ASSETS LESS CURRENT LIABILITIES		670,036	341,691
CREDITORS (Amounts falling due after more than one year)	13	(6,486)	(16,700)
NET ASSETS		<u><u>663,550</u></u>	<u><u>324,991</u></u>
CAPITAL AND RESERVES			
Called up share capital	14	64,190	54,760
Share premium account	15	826,310	364,240
Profit and loss account	16	(226,950)	(93,009)
SHAREHOLDERS' FUNDS	17	<u><u>663,550</u></u>	<u><u>325,991</u></u>

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The financial statements were approved by the Board of Directors on 11 August 2008 and signed on its behalf by

) 
) DIRECTORS
) 

BIOPOWER GROUP PUBLIC LIMITED COMPANY AND SUBSIDIARY COMPANIES

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 30 SEPTEMBER 2008

1. STATEMENT OF ACCOUNTING POLICIES

The significant accounting policies adopted by the group are as follows:

BASIS OF PREPARATION

The financial statements have been prepared in accordance with accounting standards generally accepted in Ireland and Irish statute comprising the Companies Acts, 1963 to 2009 and the European Communities (Companies: Group Accounts) Regulations, 1992.

BASIS OF ACCOUNTING

The financial statements have been prepared under the historical cost convention.

BASIS OF CONSOLIDATION

The group's financial statements include the results of the company and all of its operating subsidiaries.

TURNOVER

Turnover represents the invoiced amount of services provided, net of value added tax.

TANGIBLE FIXED ASSETS AND DEPRECIATION

Land is stated at cost, provision is made for depreciation on all tangible assets, at rates calculated to write off the cost of each asset over its expected useful life, as follows:

Plant and office equipment	10% Straight line basis
Leased motor vehicles	20% Straight line basis

The group is involved in the building of BioParks. The group is actively looking at various sites for development. All clearly identifiable preplanning costs in relation to site development have been capitalised in the financial statements. The costs in relation to sites for which planning has been received are classified under site costs and the sites for which planning has not yet been received are classified under site development costs. These assets will be depreciated once the plants are completed and the rate will be in line with the rate of depreciation of these plants. If any of the sites are refused planning these costs will be written off to the profit and loss account.

LEASING AND HIRE PURCHASE COMMITMENTS

Assets obtained under hire purchase contracts and finance leases are capitalised as tangible assets and depreciated over the shorter of the lease term and their useful lives. Obligations under such agreements are included in creditors net of the finance charge allocated to future periods.

Rentals in respect of all other leases are charged to the profit and loss account as incurred.

FINANCIAL ASSETS

The value of the investments in the subsidiaries is valued at the lower of cost and their estimated net realisable value. Where the directors are of the opinion that there has been a diminution in the value of financial assets, then the decrease in value is written off to the profit and loss account.

BIOPOWER GROUP PUBLIC LIMITED COMPANY AND SUBSIDIARY COMPANIES

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 30 SEPTEMBER 2008

1.1 STATEMENT OF ACCOUNTING POLICIES (Continued)

RESEARCH AND DEVELOPMENT

Research expenditure is written off to the profit and loss account in the year in which it is incurred.

GOVERNMENT GRANTS

Grants towards revenue expenditure are released to the profit and loss account as the related expenditure is incurred.

CASHFLOW STATEMENT

The company meets the size criteria for a small company set by the Companies (Amendment) Act, 1986 and therefore, in accordance with FRS 1: Cash Flow Statements, it has not prepared a cash flow statement.

2 GOING CONCERN AND BASIS OF PREPARING THE FINANCIAL STATEMENTS

The group incurred a loss during the year of €261,381 and has accumulated losses since commencement of €459,195. The group is engaged in investing in the bio energy industry and the initial period is anticipated to extend for a period of years, before the group achieves profitability.

The group is currently dependent on fundraising activity and the directors are confident that the fundraising activity, currently in progress, will be successful and will generate sufficient funds to finance the group's investing activity and working capital requirements and to meet its liabilities as they fall due for a period of not less than twelve months from the date of approval of the financial statements.

The financial statements do not include any adjustments to the carrying amount and classification of assets and liabilities that would arise if the group was unable to continue as a going concern.

3. TURNOVER

The total turnover of the group for the year has been derived from its principal activity wholly undertaken in Ireland.

BIOPOWER GROUP PUBLIC LIMITED COMPANY AND SUBSIDIARY COMPANIES

**NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 SEPTEMBER 2008**

4. EMPLOYEES AND REMUNERATION

Number of employees

The average number of persons employed by the group during the year was:

	2008	2007
	Number	Number
Management and administration	<u>4</u>	<u>3</u>

The aggregate payroll costs of these persons were as follows:

	2008	2007
	€	€
Wages and salaries	118,697	9,642
Social welfare costs	12,076	982
	<u>130,773</u>	<u>10,624</u>

The directors did not receive any remuneration during the year.

5. INTEREST PAYABLE AND SIMILAR CHARGES

	2008	2007
	€	€
On bank loans and overdrafts	-	3,813
Lease finance charges	3,552	2,141
	<u>3,552</u>	<u>5,954</u>

6. LOSS ON ORDINARY ACTIVITIES BEFORE TAXATION

	2008	2007
	€	€

Loss on ordinary activities before taxation is stated after charging:

Depreciation of tangible assets	11,541	10,049
Auditors' remuneration	13,498	6,790
	<u>11,541</u>	<u>10,049</u>
	<u>13,498</u>	<u>6,790</u>

7. TAXATION ON LOSS ON ORDINARY ACTIVITIES

No charge to taxation arises in the current year or in 2007 as the group has incurred losses in both years.

BIOPOWER GROUP PUBLIC LIMITED COMPANY AND SUBSIDIARY COMPANIES

**NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 SEPTEMBER 2008**

8. LOSS FOR THE YEAR

As permitted by Section 3(2) of the Companies (Amendment) Act, 1986 the profit and loss account of the holding company is not presented as part of these financial statements. The loss in the financial statements of the company before taxation was €133,941 (2007: loss of €93,009).

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BIOPOWER GROUP PUBLIC LIMITED COMPANY AND SUBSIDIARY COMPANIES

**NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 SEPTEMBER 2008**

9. TANGIBLE ASSETS

(a) Group	Site	Land	Site	Plant &	Leased	Total
	Development	€	Costs	office	motor	
	€	€	€	equipment	vehicles	€
Cost						
At 1 October 2007	-	107,945	-	13,092	43,700	164,737
Additions	207,789	-	54,686	14,897	-	277,372
At 30 September 2008	207,789	107,945	54,686	27,989	43,700	442,109
Depreciation						
At 1 October 2007	-	-	-	1,309	8,740	10,049
Charge for the year	-	-	-	2,801	8,740	11,541
At 30 September 2008	-	-	-	4,110	17,480	21,590
Net book values						
At 30 September 2008	207,789	107,945	54,686	23,879	26,220	420,519
At 30 September 2007	-	107,945	-	11,783	34,960	154,688
(b) Company			Land	Plant &	Leased	Total
			€	office	motor	€
				equipment	vehicles	
			€	€	€	€
Cost						
At 1 October 2007			107,945	3,398	29,200	140,543
Additions			-	2,856	-	2,856
At 1st October 2007						
At 30 September 2008			107,945	6,254	29,200	143,399
Depreciation						
At 1 October 2007			-	340	5,840	6,180
Charge for the year			-	628	5,840	6,468
At 1st October 2007						
At 30 September 2008			-	968	11,680	12,648
Net book values						
At 30 September 2008			107,945	5,286	17,520	130,751
At 30 September 2007			107,945	3,058	23,360	134,363

The basis by which depreciation is calculated is stated in Note 1.

BIOPOWER GROUP PUBLIC LIMITED COMPANY AND SUBSIDIARY COMPANIES

**NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 SEPTEMBER 2008**

10. FINANCIAL ASSETS	Company	
	2008	2007
	€	€
Opening shares at cost	1,000	1,000
Share additions at cost	2	-
	<u>1,002</u>	<u>1,000</u>

The company owns 100% of the share capital of Biopower Limited and Biopower Energy Savings Limited, whose registered offices are 48 Main Street, Schull, Co.Cork, Ireland. The principal activity of the companies is developing the infrastructure and technologies for BioEnergy production and related services. The investment comprises of 1,000 ordinary shares of €1 each in Biopower Limited and 2 ordinary shares of €1 each in Biopower Energy Saving Limited.

11. DEBTORS	Group		Company	
	2008	2007	2008	2007
	€	€	€	€
Amounts falling due within one year:-				
Amounts owed by - Biopower Limited	-	-	442,348	102,959
Amounts owed by - Biopower Energy Savings Ltd	-	-	59,305	-
VAT recoverable	19,777	9,461	13,706	3,564
Other debtors and prepayments	52	-	-	-
	<u>19,829</u>	<u>9,461</u>	<u>515,359</u>	<u>106,523</u>

BIOPOWER GROUP PUBLIC LIMITED COMPANY AND SUBSIDIARY COMPANIES

**NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 SEPTEMBER 2008**

12. CREDITORS (Amounts falling due within one year)	Group		Company	
	2008	2007	2008	2007
	€	€	€	€
Net obligations under finance leases (Note 18)	15,671	13,642	10,316	8,976
Other taxes and social security costs	2,189	1,309	2,189	836
Accruals	19,936	36,762	6,677	29,008
	<u>37,796</u>	<u>51,713</u>	<u>19,182</u>	<u>38,820</u>
Other taxes and social security costs.	Group		Company	
	2008	2007	2008	2007
	€	€	€	€
PAYE/PRSI payable	2,189	1,309	2,189	836
Total taxes and social security costs	<u>2,189</u>	<u>1,309</u>	<u>2,189</u>	<u>836</u>
13. CREDITORS (Amounts falling due after more than one year)	Group		Company	
	2008	2007	2008	2007
	€	€	€	€
Net obligations under finance leases (Note 18)	8,131	23,702	6,486	16,700
Directors' loan	12,350	12,350	-	-
	<u>20,481</u>	<u>36,052</u>	<u>6,486</u>	<u>16,700</u>

BIOPOWER GROUP PUBLIC LIMITED COMPANY AND SUBSIDIARY COMPANIES

**NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 SEPTEMBER 2008**

14. CALLED UP SHARE CAPITAL

	2008	2007
	€	€
Authorised :		
10,000,000 ordinary shares of €0.01 each	<u>100,000</u>	<u>100,000</u>
Allotted, called up and fully paid equity :		
6,419,000 ordinary shares of €0.01 each	64,190	54,760
(2007: 5,476,000 ordinary shares of €0.01 each)	<u> </u>	<u> </u>

During the period, the company allotted 943,000 ordinary shares with a nominal value of €9,430 and at a premium of €462,070.

15. SHARE PREMIUM ACCOUNT

	2008	2007
	€	€
At 1 October 2007	364,240	-
Share premium increase	462,070	364,240
At 30 September 2008	<u>826,310</u>	<u>364,240</u>

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16. PROFIT AND LOSS ACCOUNT

	Group		Company	
	2008	2007	2008	2007
	€	€	€	€
Profit and loss account brought forward	(197,814)	-	(93,009)	-
Loss for the year	(261,381)	(197,814)	(133,941)	(93,009)
Profit and loss account carried forward	<u>(459,195)</u>	<u>(197,814)</u>	<u>(226,950)</u>	<u>(93,009)</u>

BIOPOWER GROUP PUBLIC LIMITED COMPANY AND SUBSIDIARY COMPANIES

**NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 SEPTEMBER 2008**

17. RECONCILIATION OF MOVEMENTS IN SHAREHOLDERS' FUNDS

	Group		Company	
	2008	2007	2008	2007
	€	€	€	€
Opening shareholders' funds	221,186	-	325,991	-
Loss for the year	(261,381)	(197,814)	(133,941)	(93,009)
Net proceeds of equity share issue	471,500	419,000	471,500	419,000
Closing shareholders' funds	<u>431,305</u>	<u>221,186</u>	<u>663,550</u>	<u>325,991</u>

18. FINANCIAL COMMITMENTS

At 30 September 2008 the group / company had finance lease obligations, net of interest, due as follows:

	Group		Company	
	2008	2007	2008	2007
	€	€	€	€
Leased motor vehicles				
Expiry date:				
Within one year	15,671	13,642	10,316	8,976
Between two and five years	8,131	23,702	6,486	16,700
	<u>23,802</u>	<u>37,344</u>	<u>16,802</u>	<u>25,676</u>

The basis by which lease obligations are capitalised is stated in Note 1.

19. RELATED PARTY TRANSACTIONS

During the year the company had a number of transactions with its subsidiary companies Biopower Limited and Biopower Energy Savings Limited. The balances due by the subsidiary companies are disclosed in Note 11.

20. CAPITAL COMMITMENTS

The group had no capital commitments at the balance sheet date.

BIOPOWER GROUP PUBLIC LIMITED COMPANY AND SUBSIDIARY COMPANIES

**NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 SEPTEMBER 2008**

21. COMPARATIVES

Comparative amounts have been regrouped where necessary, on the same basis as those for the current year.

22. GUARANTEES

The company has issued irrevocable guarantees on behalf of the following subsidiaries for the financial year to 30 September 2008 in respect of liabilities referred to in Section 5 (C) of the Companies (Amendment) Act, 1986:-

Biopower Limited
Biopower Energy Savings Limited

23. SUBSIDIARY COMPANIES

The subsidiary companies included in these consolidated financial statements are as follows:-

Biopower Limited
Biopower Energy Savings Limited

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Biowpower Group Public Limited Company

Deloitte & Touche
Chartered Accountants & Registered Auditors
No. 6 Lapp's Quay
Cork

Dear Sirs,

We confirm to the best of our knowledge and belief, and having made appropriate enquiries of other officials of the company (and where appropriate, inspection of evidence) sufficient to satisfy ourselves that we can properly make each of the following representations given to you in connection with your audit of the company's financial statements for the year ended 30 September 2008.

1. We acknowledge as directors our responsibilities under the Companies Acts 1963 to 2006 for preparing financial statements for the company which give a true and fair view and for making accurate representations to you.
2. There have been no significant transactions with the directors and officers of the company and its subsidiaries, and other related parties, other than those which are included in the notes to the financial statements.
3. That at no time during the year has the company had any arrangement, transaction or agreement to provide credit facilities (including loans, quasi-loans or credit transactions) for directors (or persons connected with them) or to guarantee or provide security for such matters (except as disclosed in the notes to the accounts).
4. We confirm that all errors known to us, or identified by you in the course of your audit and communicated to us, were adjusted.

5. Books & Records

To the best of our knowledge and belief all transactions undertaken by the company have been properly recorded in the accounting records and these financial statements and all relevant records have been given to you.

6. Profit and Loss Account

Except as disclosed in the financial statements, the results for the year were not materially affected by:

- (a) transactions of a sort not usually undertaken by the company,
- (b) circumstances of an exceptional or non-recurrent nature,
- (c) charges or credits relating to prior periods or
- (d) any change in the basis of accounting.

Any expenditure included in the financial statements (where receipts or vouchers were not available) was properly made in connection with the carrying on of the company's business, unless specifically notified to you as being of a private nature.

7. Fixed Assets

- (a) The company has a satisfactory title to all fixed assets included in the financial statements.
- (b) The fixed assets to which the company has satisfactory title are included in the financial statements.
- (c) All amounts of expenditure capitalised in respect of fixed assets as detailed in the financial statements represent expenditure incurred in acquiring additional assets or improving existing assets. No expenditure capitalised is of a revenue nature.

(continued on next page)

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8. Bank & Cash

The balances disclosed in the financial statements for bank and cash balances held at year end reflects all bank accounts and cash balances held by the company at year-end. We confirm that the company has legal title to these amounts as stated in the financial statements.

We confirm that no bank accounts except as disclosed in the financial statements have been opened in the name of the company.

9. Debtors

Balances included in the financial statements are all valid debtors or prepayments. The bad debts written off are complete as far as the directors are aware and full provision has been against specific debts which are known or may be expected to be irrecoverable.

10. Liabilities

All known liabilities of material amount at 30 September 2008 are shown in the financial statements including the liability for all purchases to which title has passed prior to 30 September 2008 .

11. Capital Commitments

At 30 September 2008 there were no commitments for capital expenditure.

12. Contingent Liabilities

No contingent liabilities existed at 30 September 2008.

13. Post Balance Sheet Events

No events have occurred between 30 September 2008 and the date of this letter which could materially affect the financial statements.

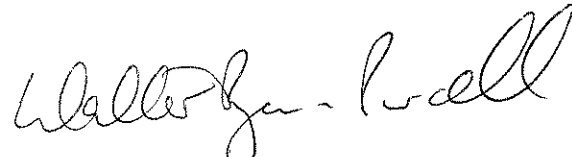
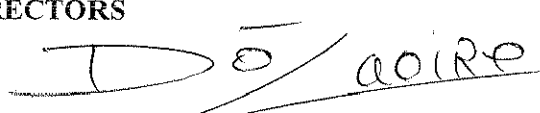
14. Going Concern

We have prepared the accounts on a going concern basis. We are satisfied that the company has adequate resources to ensure it can continue to trade for a period of twelve months from the date of approval of these financial statements.

The directors confirm their willingness to financially support the company for the foreseeable future.

We confirm that the above representations are made on the basis of adequate enquiries of management and staff (and where appropriate, inspection of evidence) sufficient to satisfy ourselves that we can properly make each of the above representations to you.

Yours faithfully,

) 
)
) DIRECTORS
) 
)

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BIOPOWER GROUP PUBLIC LIMITED COMPANY
REPORTS AND FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 SEPTEMBER 2008

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BIOWPOWER GROUP PUBLIC LIMITED COMPANY

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BIOPOWER GROUP PUBLIC LIMITED COMPANY

DIRECTORS AND OTHER INFORMATION

DIRECTORS

Donall O'Laoire
Michael Holland
Timothy Clarke
Michael Griffin
Dr. Colin J. Campbell
Dr. Bernard Rice
Walter Ryan-Purcell

COMPANY SECRETARY

Walter Ryan-Purcell

COMPANY NUMBER

437014

REGISTERED OFFICE

48 Main Street
Schull
Co. Cork

AUDITORS

Deloitte & Touche
Chartered Accountants & Registered Auditors
No. 6 Lapp's Quay
Cork

BUSINESS ADDRESS

48 Main Street
Schull
Co Cork

BANKERS

AIB Bank
Ballincollig
Co. Cork

SOLICITORS

Ronan Daly Jermyn
12 South Mall
Cork

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BIOWPOWER GROUP PUBLIC LIMITED COMPANY

DIRECTORS' REPORT

The directors present their report together with the audited financial statements for the year ended 30 September 2008.

PRINCIPAL ACTIVITY AND REVIEW OF THE BUSINESS

The principal activity of the company is a Bio Energy investment company to build and acquire operating subsidiaries in the Bio Energy sector. The company owns 100% of Biopower Limited which is in the process of identifying sites for bio-parks and plans to open its first park in 2010.

FINANCIAL RISK MANAGEMENT OBJECTIVES AND POLICIES

The directors have considered financial risk management issues and are satisfied with the policies that are in place to address these issues.

FUTURE DEVELOPMENTS

The directors do not foresee any significant change to the company's operations in the short to medium term.

RESULTS FOR THE YEAR

Loss for the financial year amounted to

	Year 4 months	
	ended	ended
	30/09/08	30/09/07
	€	€
	(133,941)	(93,009)

The directors do not recommend the payment of a final dividend in respect of the year ended 30 September 2008.

POST BALANCE SHEET EVENTS

There have been no significant events affecting the company since the year end. The company is currently engaged in a share issue to generate sufficient funds to finance its investing activity and working capital requirements and to meet its liabilities as they fall due for a period of not less than 12 months from the date of approval of the financial statements.

DIRECTORS

The present membership of the Board is set out on page 2. On 14 December 2007 Donall O' Laoire resigned as secretary and Walter Ryan-Purcell was appointed as secretary and director of the company. On 11 February 2008 Stephen O' Keffe and Kevin Donovan were appointed as directors to the company. Kevin Donovan resigned on 28 November 2008 and Stephen O'Keffe resigned on 20 January 2009. All other directors served throughout the year.

BOOKS AND RECORDS

To ensure that proper books and accounting records are kept in accordance with Section 202 of the Companies Act, 1990, the directors have employed appropriately qualified accounting personnel and have maintained appropriate computerised accounting systems. The books of account are located at the company's registered office.

BIOWATER GROUP PUBLIC LIMITED COMPANY

DIRECTORS' REPORT

DIRECTORS' AND SECRETARY'S INTERESTS IN SHARES

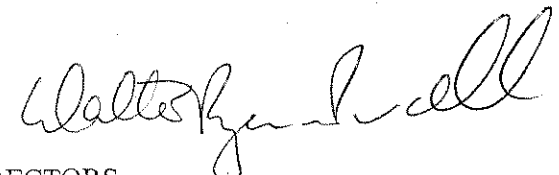

The directors' and secretary of the company who held office at 30 September 2008 had the following interests in the shares of the company:

Director	Type of shareholding	No. of	No. of
		shares held	shares held
		30/09/08	30/09/07
Donall O'Laoire	Ordinary Shares €0.01 each	850,000	850,000
Michael Holland	Ordinary Shares €0.01 each	100,000	100,000
Timothy Clarke	Ordinary Shares €0.01 each	150,000	150,000
Michael Griffin	Ordinary Shares €0.01 each	100,000	100,000
Dr. Colin J. Campbell	Ordinary Shares €0.01 each	150,000	150,000
Walter Ryan-Purcell	Ordinary shares €0.01 each	2,000,000	-

AUDITORS

The auditors, Deloitte & Touche, Chartered Accountants & Registered Auditors, have expressed their willingness to continue in office in accordance with the provisions of Section 160(2) of the Companies Act, 1963.

On behalf of the Board

) 
)
) DIRECTORS
)
) 

Date: 11 August 2009

BIOPOWER GROUP PUBLIC LIMITED COMPANY

STATEMENT OF DIRECTORS' RESPONSIBILITIES

Irish company law requires the directors to prepare financial statements for each financial year which give a true and fair view of the state of the affairs of the company and of the profit or loss of the company for that period. In preparing those financial statements, the directors are required to:

- select suitable accounting policies and apply them consistently;
- make judgements and estimates that are reasonable and prudent; and
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the company will continue in business.

The directors are responsible for keeping proper books of account which disclose with reasonable accuracy at any time the financial position of the company and to enable them to ensure that the financial statements are prepared in accordance with accounting standards generally accepted in Ireland and comply with Irish statute comprising the Companies Acts 1963 to 2009 and the European Communities (Companies: Group Accounts) Regulation, 1992. They are also responsible for safeguarding the assets of the company and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

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INDEPENDENT AUDITORS' REPORT TO THE MEMBERS OF BIOPOWER GROUP PUBLIC LIMITED COMPANY

We have audited the financial statements of Biopower Group Public Limited Company for the year ended 30 September 2008 which comprise the Profit and Loss Account, the Balance Sheet and the related notes (1 to 18). These financial statements have been prepared under the accounting policies set out therein.

This report is made solely to the company's members, as a body, in accordance with Section 193 of the Companies Act 1990. Our audit work has been undertaken so that we might state to the company's members those matters we are required to state to them in an auditors' report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than the company and the company's members, as a body, for our audit work, for this report, or for the opinions we have formed.

Respective responsibilities of directors and auditors

The directors are responsible for preparing the financial statements, as set out in the Statement of Directors' Responsibilities in accordance with applicable law and accounting standards issued by the Accounting Standards Board and published by the Institute of Chartered Accountants in Ireland (Generally Accepted Accounting Practice in Ireland).

Our responsibility, as independent auditors, is to audit the financial statements in accordance with relevant legal and regulatory requirements and International Standards on Auditing (UK and Ireland).

We report to you our opinion as to whether the financial statements give a true and fair view in accordance with Generally Accepted Accounting Practice in Ireland, and are properly prepared in accordance with Irish statute comprising the Companies Acts 1963 to 2009 and the European Communities (Companies: Group Accounts) Regulations, 1992. We also report to you whether, in our opinion, proper books of account have been kept by the company; whether, at the balance sheet date, there exists a financial situation requiring the convening of an extraordinary general meeting of the company; and whether the information given in the Directors' Report is consistent with the financial statements. In addition, we state whether we have obtained all information and explanations necessary for the purposes of our audit and whether the company's balance sheet and profit and loss account are in agreement with the books of account.

We also report to you if, in our opinion, any information specified by law regarding directors' remuneration and directors' transactions is not disclosed and, where practicable, include such information in our report.

We read the Directors' Report and we consider the implications for our report if we become aware of any apparent mis-statement within it. Our responsibilities do not extend to other information.

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INDEPENDENT AUDITORS' REPORT TO THE MEMBERS OF BIOPOWER GROUP PUBLIC LIMITED COMPANY

Basis of audit opinion

We conducted our audit in accordance with International Standards on Auditing (UK and Ireland) issued by the Auditing Practices Board. An audit includes examination, on a test basis, of evidence relevant to the amounts and disclosures in the financial statements. It also includes an assessment of the significant estimates and judgements made by the directors in the preparation of the financial statements and whether the accounting policies are appropriate to the company's circumstances, consistently applied and adequately disclosed.

We planned and performed our audit so as to obtain all the information and explanations which we considered necessary in order to provide us with sufficient evidence to give reasonable assurance that the financial statements are free from material mis-statement, whether caused by fraud or other irregularity or error. In forming our opinion we evaluated the overall adequacy of the presentation of information in the financial statements.

Opinion

In our opinion the financial statements:

- * give a true and fair view, in accordance with Generally Accepted Accounting Practice in Ireland of the state of the affairs of the company as at 30 September 2008 and of the loss for the year then ended; and
- * have been properly prepared in accordance with the Companies Acts 1963 to 2009 and the European Communities (Companies: Group Accounts) Regulations, 1992.

Emphasis of Matter- Going Concern

Without qualifying our opinion, we draw your attention to Note 2 to the financial statements which indicates that the company incurred a loss during the year of €133,941. This condition indicates the existence of a material uncertainty which may cast significant doubt about the company's ability to continue as a going concern. The company is currently dependent on raising funds and the directors are confident that the share issue currently in progress will succeed and will generate sufficient funds to finance the company's investing activity and working capital requirements and to meet its liabilities as they fall due for a period of at least twelve months from the date of approval of the financial statements. The directors have prepared the financial statements of the company on the basis that the company is a going concern. The financial statements do not include the adjustments that would result if the company was unable to continue as a going concern.

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INDEPENDENT AUDITORS' REPORT TO THE MEMBERS OF BIOPOWER GROUP PUBLIC LIMITED COMPANY

We have obtained all the information and explanations we considered necessary for the purposes of our audit. In our opinion proper books of account have been kept by the company. The company's balance sheet and its profit and loss account are in agreement with the books of account.

In our opinion, the information given in the Directors' Report is consistent with the financial statements.

The net assets of the company, as stated in the balance sheet are more than half the amount of its called-up share capital and, in our opinion, on that basis there did not exist at 30 September 2008, a financial situation which under Section 40(1) of the Companies (Amendment) Act 1983 would require the convening of an extraordinary general meeting of the company.

Deloitte & Touche
Cork

Date: 11 August 2009

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BIOWPOWER GROUP PUBLIC LIMITED COMPANY

**PROFIT AND LOSS ACCOUNT
FOR THE YEAR ENDED 30 SEPTEMBER 2008**

	Notes	Year Ended 30/09/08 €	4 Months Ended 30/09/07 €
Turnover - continuing operations	3	13,459	-
Administrative expenses		(144,791)	(91,776)
OPERATING LOSS -continuing operations		(131,332)	(91,776)
Interest payable and similar charges	5	(2,609)	(1,233)
LOSS ON ORDINARY ACTIVITIES BEFORE TAXATION	6	(133,941)	(93,009)
Taxation on loss on ordinary activities	7	-	-
LOSS ON ORDINARY ACTIVITIES AFTER TAXATION		(133,941)	(93,009)

There are no recognised gains or losses other than the loss for the financial year as disclosed in the profit and loss account.

The financial statements were approved by the Board of Directors on 11 August 2008 and signed on its behalf by

)
)
) DIRECTORS
)
)

Walter Ryan - Powell
D. O'aoire

BIOPOWER GROUP PUBLIC LIMITED COMPANY

**BALANCE SHEET
AS AT 30 SEPTEMBER 2008**

	Notes	2008 €	2007 €
FIXED ASSETS			
Tangible assets	8	130,751	134,363
Financial assets	9	1,002	1,000
		<u>131,753</u>	<u>135,363</u>
CURRENT ASSETS			
Debtors	10	515,359	106,523
Cash at bank and in hand		42,106	139,625
		<u>557,465</u>	<u>246,148</u>
CREDITORS (Amounts falling due within one year)	11	<u>(19,182)</u>	<u>(38,820)</u>
NET CURRENT ASSETS		<u>538,283</u>	<u>207,328</u>
TOTAL ASSETS LESS CURRENT LIABILITIES		670,036	342,691
CREDITORS (Amounts falling due after more than one year)	12	<u>(6,486)</u>	<u>(16,700)</u>
NET ASSETS		<u><u>663,550</u></u>	<u><u>325,991</u></u>
CAPITAL AND RESERVES			
Called up share capital	13	64,190	54,760
Share premium account	14	826,310	364,240
Profit and loss account	15	(226,950)	(93,009)
SHAREHOLDERS' FUNDS	16	<u><u>663,550</u></u>	<u><u>325,991</u></u>

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The financial statements were approved by the Board of Directors on and signed on its behalf by

11 August 2009

) DIRECTORS

BIOPOWER GROUP PUBLIC LIMITED COMPANY

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 30 SEPTEMBER 2008

1. STATEMENT OF ACCOUNTING POLICIES

The significant accounting policies adopted by the company are as follows:

BASIS OF PREPARATION

The financial statements have been prepared in accordance with accounting standards generally accepted in Ireland and Irish statute comprising the Companies Acts, 1963 to 2009 and the European Communities (Companies: Group Accounts) Regulations, 1992.

ACCOUNTING CONVENTION

The financial statements have been prepared under the historical cost convention.

TURNOVER

Turnover represents the invoiced amount of services provided, net of value added tax.

TANGIBLE FIXED ASSETS AND DEPRECIATION

Land is stated at cost, provision is made for depreciation on all other tangible assets, at rates calculated to write off the cost of each asset over its expected useful life, as follows:

Plant and office equipment	10% Straight line basis
Leased motor vehicles	20% Straight line basis

LEASING AND HIRE PURCHASE COMMITMENTS

Assets obtained under hire purchase contracts and finance leases are capitalised as tangible assets and depreciated over the shorter of the lease term and their useful lives. Obligations under such agreements are included in creditors net of the finance charge allocated to future periods.

Rentals in respect of all other leases are charged to the profit and loss account as incurred.

FINANCIAL ASSETS

The value of the investments in subsidiaries is valued at the lower of cost and their estimated net realisable value. Where the directors are of the opinion that there has been a diminution in the value of financial assets, then the decrease in value is written off to the profit and loss account.

RESEARCH AND DEVELOPMENT

Research expenditure is written off to the profit and loss account in the year in which it is incurred.

CASH FLOW STATEMENT

The company meets the size criteria for a small company set by the Companies (Amendment) Act, 1986 and therefore, in accordance with FRS 1: Cash Flow Statements, it has not prepared a cash flow statement.

BIOPOWER GROUP PUBLIC LIMITED COMPANY

**NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 SEPTEMBER 2008**

2 GOING CONCERN AND BASIS OF PREPARING THE FINANCIAL STATEMENTS

The company incurred a loss during the year of 133,941 and has accumulated losses since commencement of €226,950. The company is engaged in investing in the bio energy industry and the initial period is anticipated to extend for a period of years, before the company achieves profitability.

The company is currently dependent on fundraising activity and the directors are confident that the fundraising activity currently in progress will be successful and will generate sufficient funds to finance the company's investing activity and working capital requirements and to meet its liabilities as they fall due for a period of not less than twelve months from the date of approval of the financial statements.

The financial statements do not include any adjustments to the carrying amount and classification of assets and liabilities that would arise if the company was unable to continue as a going concern.

3. TURNOVER

The total turnover of the company for the year has been derived from its principal activity wholly undertaken in Ireland.

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BIOPOWER GROUP PUBLIC LIMITED COMPANY

**NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 SEPTEMBER 2008**

4. EMPLOYEES AND REMUNERATION

Number of employees

The average number of persons employed by the company during the year was:

Year Ended	4 Months Ended
30/09/08	30/09/07
Number	Number

Management and administration

4	3
---	---

The staff costs are comprised of :-

Year Ended	4 Months Ended
30/09/08	30/09/07
€	€

Wages and salaries

104,941	5,065
---------	-------

Social welfare costs

11,003	490
--------	-----

115,944	5,555
---------	-------

The directors did not receive any remuneration during the year.

5. INTEREST PAYABLE AND SIMILAR CHARGES

Year Ended	4 Months Ended
30/09/08	30/09/07
€	€

Lease finance charges

2,609	1,233
-------	-------

6. LOSS ON ORDINARY ACTIVITIES BEFORE TAXATION

Year Ended	4 Months Ended
30/09/08	30/09/07
€	€

Loss on ordinary activities before taxation is stated after charging:

Depreciation of tangible assets

6,468	6,180
-------	-------

Auditors' remuneration

1,200	1,000
-------	-------

BIOPOWER GROUP PUBLIC LIMITED COMPANY

**NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 SEPTEMBER 2008**

7. TAXATION ON LOSS ON ORDINARY ACTIVITIES

No charge to taxation arises due to losses incurred.

8. TANGIBLE ASSETS

	Land	Plant & office equipment	Leased motor vehicles	Total
	€	€	€	€
Cost				
At 1 October 2007	107,945	3,398	29,200	140,543
Additions	-	2,856	-	2,856
At 30 September 2008	<u>107,945</u>	<u>6,254</u>	<u>29,200</u>	<u>143,399</u>
Depreciation				
At 1 October 2007	-	340	5,840	6,180
Charge for the year	-	628	5,840	6,468
At 30 September 2008	-	<u>968</u>	<u>11,680</u>	<u>12,648</u>
Net book values				
At 30 September 2008	<u>107,945</u>	<u>5,286</u>	<u>17,520</u>	<u>130,751</u>
At 30 September 2007	<u>107,945</u>	<u>3,058</u>	<u>23,360</u>	<u>134,363</u>

The basis by which depreciation is calculated is stated in Note 1.

9. FINANCIAL ASSETS

	2008	2007
	€	€
Opening shares at cost	1,000	1,000
Share additions at cost	2	-
	<u>1,002</u>	<u>1,000</u>

The company owns 100% of the share capital of Biopower Limited and Biopower Energy Savings Limited, whose registered offices are 48 Main Street, Schull, Co. Cork, Ireland. The principal activity of the companies, is developing the infrastructure and technologies for BioEnergy production and related services. The investment comprises of 1,000 ordinary shares of €1 each in Biopower Limited and 2 ordinary shares of €1 each in Biopower Energy Saving Limited.

BIOPOWER GROUP PUBLIC LIMITED COMPANY

**NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 SEPTEMBER 2008**

10. DEBTORS	2008	2007
	€	€
Amounts falling due within one year:-		
Amounts owed by subsidiary company - Biopower Limited	442,348	102,959
Amounts owed by subsidiary company - Biopower Energy Savings Limited	59,305	-
VAT recoverable	13,706	3,564
	<u>515,359</u>	<u>106,523</u>
11. CREDITORS (Amounts falling due within one year)	2008	2007
	€	€
Net obligations under finance leases (Note 17)	10,316	8,976
Other taxes and social security costs	2,189	836
Accruals	6,677	29,008
	<u>19,182</u>	<u>38,820</u>
Other taxes and social security costs	2008	2007
	€	€
PAYE/PRSI payable	2,189	836
Total taxes and social security costs	<u>2,189</u>	<u>836</u>
12. CREDITORS (Amounts falling due after more than one year)	2008	2007
	€	€
Net obligations under finance leases (Note 17)	<u>6,486</u>	<u>16,700</u>

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BIOPOWER GROUP PUBLIC LIMITED COMPANY

**NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 SEPTEMBER 2008**

13. CALLED UP SHARE CAPITAL	2008	2007
	€	€
Authorised :		
10,000,000 ordinary shares of €0.01 each	<u>100,000</u>	<u>100,000</u>
Allotted, called up and fully paid equity :		
6,419,000 ordinary shares of €0.01 each	<u>64,190</u>	<u>54,760</u>

During the period, the company allotted 943,000 ordinary shares with a nominal value of €9,430 and at a premium of €462,070.

14. SHARE PREMIUM ACCOUNT	2008	2007
	€	€
At 1 October 2007	364,240	-
Share premium increase	<u>462,070</u>	<u>364,240</u>
At 30 September 2008	<u>826,310</u>	<u>364,240</u>

15. PROFIT AND LOSS ACCOUNT	2008	2007
	€	€
Profit and loss account brought forward	(93,009)	-
Loss for the year/period	<u>(133,941)</u>	<u>(93,009)</u>
Profit and loss account carried forward	<u>(226,950)</u>	<u>(93,009)</u>

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BIOWPOWER GROUP PUBLIC LIMITED COMPANY

NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 SEPTEMBER 2008

16. RECONCILIATION OF MOVEMENTS IN SHAREHOLDERS' - FUNDS

	2008	2007
	€	€
Opening shareholders' funds	325,991	-
Loss for the year	(133,941)	(93,009)
Net proceeds of equity share issue	471,500	419,000
Closing shareholders' funds	<u>663,550</u>	<u>325,991</u>

17. FINANCIAL COMMITMENTS

At 30 September 2008 the company had finance lease obligations, net of interest, due as follows:

Leased motor vehicles	2008	2007
	€	€
Expiry date:		
Within one year	10,316	8,976
Between two and five years	6,486	16,700
	<u>16,802</u>	<u>25,676</u>

The basis by which lease obligations are capitalised is stated in Note 1.

18. RELATED PARTY TRANSACTIONS

During the year the company had a number of transactions with its subsidiary companies Biopower Limited and Biopower Energy Savings Limited. The balances due by the subsidiary companies are disclosed in Note 10.

BIOWATER GROUP PUBLIC LIMITED COMPANY
ADDITIONAL INFORMATION NOT COVERED BY THE AUDITORS' REPORT

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BIOPOWER GROUP PUBLIC LIMITED COMPANY

**SCHEDULES TO THE PROFIT AND LOSS ACCOUNT
FOR THE YEAR ENDED 30 SEPTEMBER 2008**

	Year Ended 2008 €	4 Months Ended 2007 €
ADMINISTRATIVE EXPENSES		
Wages and salaries	104,941	5,065
Employer's PRSI contributions	11,003	490
Staff training and recruitment costs	420	3,213
Management expenses recharged	(52,806)	-
Rent & rates	4,137	5,026
Insurance	3,537	261
Light and heat	322	-
Laundry	497	-
Printing and stationery	16,204	1,644
Advertising and promotion costs	1,321	1,005
Telephone and postage	6,911	3,240
Computer costs	7,439	312
Motor, travel & conference expenses	17,379	1,885
Design, development & research costs	-	1,650
Legal and professional	1,884	29,487
Consultancy fees	3,997	26,698
Audit and accountancy fees	7,698	3,500
Bank charges	711	272
Sundry	2,250	200
Subscriptions and donations	478	1,648
Depreciation	6,468	6,180
	<u>144,791</u>	<u>91,776</u>

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Biopower Group Public Limited Company

Deloitte & Touche
Chartered Accountants & Registered Auditors
No. 6 Lapp's Quay
Cork

Dear Sirs,

We confirm to the best of our knowledge and belief, and having made appropriate enquiries of other officials of the company (and where appropriate, inspection of evidence) sufficient to satisfy ourselves that we can properly make each of the following representations given to you in connection with your audit of the company's financial statements for the year ended 30 September 2008.

1. We acknowledge as directors our responsibilities under the Companies Acts 1963 to 2006 for preparing financial statements for the company which give a true and fair view and for making accurate representations to you.
2. There have been no significant transactions with the directors and officers of the company and its subsidiaries, and other related parties, other than those which are included in the notes to the financial statements.
3. That at no time during the year has the company had any arrangement, transaction or agreement to provide credit facilities (including loans, quasi-loans or credit transactions) for directors (or persons connected with them) or to guarantee or provide security for such matters (except as disclosed in the notes to the accounts).
4. We confirm that all errors known to us, or identified by you in the course of your audit and communicated to us, were adjusted.

5. Books & Records

To the best of our knowledge and belief all transactions undertaken by the company have been properly recorded in the accounting records and these financial statements and all relevant records have been given to you.

6. Profit and Loss Account

Except as disclosed in the financial statements, the results for the year were not materially affected by:

- (a) transactions of a sort not usually undertaken by the company,
- (b) circumstances of an exceptional or non-recurrent nature,
- (c) charges or credits relating to prior periods or
- (d) any change in the basis of accounting.

Any expenditure included in the financial statements (where receipts or vouchers were not available) was properly made in connection with the carrying on of the company's business, unless specifically notified to you as being of a private nature.

7. Fixed Assets

- (a) The company has a satisfactory title to all fixed assets included in the financial statements.
- (b) The fixed assets to which the company has satisfactory title are included in the financial statements.
- (c) All amounts of expenditure capitalised in respect of fixed assets as detailed in the financial statements represent expenditure incurred in acquiring additional assets or improving existing assets. No expenditure capitalised is of a revenue nature.

(continued on next page)

8. Bank & Cash

The balances disclosed in the financial statements for bank and cash balances held at year end reflects all bank accounts and cash balances held by the company at year-end. We confirm that the company has legal title to these amounts as stated in the financial statements.

We confirm that no bank accounts except as disclosed in the financial statements have been opened in the name of the company.

9. Debtors

Balances included in the financial statements are all valid debtors or prepayments. The bad debts written off are complete as far as the directors are aware and full provision has been against specific debts which are known or may be expected to be irrecoverable.

10. Liabilities

All known liabilities of material amount at 30 September 2008 are shown in the financial statements including the liability for all purchases to which title has passed prior to 30 September 2008.

11. Capital Commitments

At 30 September 2008 there were no commitments for capital expenditure.

12. Contingent Liabilities

No contingent liabilities existed at 30 September 2008.

13. Post Balance Sheet Events

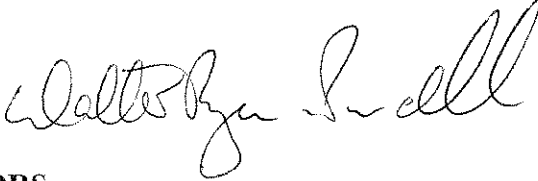

No events have occurred between 30 September 2008 and the date of this letter which could materially affect the financial statements.

14. Going Concern

We have prepared the accounts on a going concern basis. We are satisfied that the company has adequate resources to ensure it can continue to trade for a period of twelve months from the date of approval of these financial statements.

We confirm that the above representations are made on the basis of adequate enquiries of management and staff (and where appropriate, inspection of evidence) sufficient to satisfy ourselves that we can properly make each of the above representations to you.

Yours faithfully,

) 
)
) **DIRECTORS**
) 
)

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BIOPOWER ENERGY SAVINGS LIMITED
REPORTS AND FINANCIAL STATEMENTS
FROM THE DATE OF INCORPORATION
TO 30 SEPTEMBER 2008

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BIOPOWER ENERGY SAVINGS LIMITED

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BIOPOWER ENERGY SAVINGS LIMITED

DIRECTORS AND OTHER INFORMATION

DIRECTORS

Walter Ryan-Purcell
Donall O'Laoire
William Daunt

COMPANY SECRETARY

Walter Ryan-Purcell

COMPANY NUMBER

448754

REGISTERED OFFICE

48 Main Street
Schull
Co. Cork

AUDITORS

Deloitte & Touche
Chartered Accountants & Registered Auditors
No. 6 Lapp's Quay
Cork

BUSINESS ADDRESS

48 Main Street
Schull
Co Cork

BANKERS

AIB Bank
Ballincollig
Co.Cork

SOLICITORS

Ronan Daly Jermyn
12 South Mall
Cork

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BIOPOWER ENERGY SAVINGS LIMITED

DIRECTORS' REPORT

The directors present their annual report together with the audited financial statements from the date of incorporation, 8 November 2007 to 30 September 2008.

PRINCIPAL ACTIVITY AND REVIEW OF THE BUSINESS

The principal activity of the company is to provide services of blower door testing, thermal energy testing, BER ratings and energy consultation.

FINANCING AND STRUCTURE

The company is currently funded by a commitment of continued financial support from the parent company Biopower Group Public Limited Company that will enable the company to continue to trade for the foreseeable future. For further details refer to Note 2 to the financial statements.

FUTURE DEVELOPMENTS

The directors do not foresee any significant change to the company's operations in the short to medium term.

RESULTS AND DIVIDENDS FOR THE PERIOD

	11 months ended 30/09/08 €
Loss for the financial period amounted to	(59,571)

The directors do not recommend the payment of a final dividend in respect of the period ended 30 September 2008.

POST BALANCE SHEET EVENTS

There have been no significant events affecting the company since the period end.

DIRECTORS

The present membership of the Board is set out on page 2. On 8 November 2007, Donall O' Laoire was appointed as director and secretary of the company. On the same date William Daunt was appointed as director of the company. On 4 December 2007, Donall O' Laoire resigned as secretary and Walter Ryan-Purcell was appointed as secretary and director of the company. All directors served throughout their respective periods.

BOOKS AND RECORDS

To ensure that proper books and accounting records are kept in accordance with Section 202 of the Companies Act, 1990, the directors have employed appropriately qualified accounting personnel and have maintained appropriate computerised accounting systems. The books of account are located at the company's registered office.

*(continued on next
page)*

BIOWPOWER ENERGY SAVINGS LIMITED

STATEMENT OF DIRECTORS' RESPONSIBILITIES

Irish company law requires the directors to prepare financial statements for each financial period which give a true and fair view of the state of the affairs of the company and of the profit or loss of the company for that period. In preparing those financial statements, the directors are required to:

- select suitable accounting policies and apply them consistently;
- make judgements and estimates that are reasonable and prudent; and
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the company will continue in business.

The directors are responsible for keeping proper books of account which disclose with reasonable accuracy at any time the financial position of the company and to enable them to ensure that the financial statements are prepared in accordance with accounting standards generally accepted in Ireland and comply with Irish statute comprising the Companies Acts 1963 to 2009. They are also responsible for safeguarding the assets of the company and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

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INDEPENDENT AUDITORS' REPORT TO THE MEMBERS OF BIOPOWER ENERGY SAVINGS LIMITED

We have audited the financial statements of Biopower Energy Savings Limited for the period from incorporation to 30 September 2008 which comprise the Profit and Loss Account, the Balance Sheet and the related notes (1 to 14). These financial statements have been prepared under the accounting policies set out therein.

This report is made solely to the company's members, as a body, in accordance with Section 193 of the Companies Act 1990. Our audit work has been undertaken so that we might state to the company's members those matters we are required to state to them in an auditors' report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than the company and the company's members, as a body, for our audit work, for this report, or for the opinions we have formed.

Respective responsibilities of directors and auditors

The directors are responsible for preparing the financial statements as set out in the Statement of Directors' Responsibilities in accordance with applicable law and accounting standards issued by the Accounting Standards Board and published by the Institute of Chartered Accountants in Ireland (Generally Accepted Accounting Practice in Ireland).

Our responsibility, as independent auditors, is to audit the financial statements in accordance with relevant legal and regulatory requirements and International Standards on Auditing (UK and Ireland).

We report to you our opinion as to whether the financial statements give a true and fair view in accordance with Generally Accepted Accounting Practice in Ireland, and are properly prepared in accordance with Irish statute comprising the Companies Acts 1963 to 2009. We also report to you whether, in our opinion, proper books of account have been kept by the company; whether, at the balance sheet date, there exists a financial situation requiring the convening of an extraordinary general meeting of the company; and whether the information given in the Directors' Report is consistent with the financial statements. In addition, we state whether we have obtained all information and explanations necessary for the purposes of our audit and whether the company's balance sheet and profit and loss account are in agreement with the books of account.

We also report to you if, in our opinion, any information specified by law regarding directors' remuneration and directors' transactions is not disclosed and, where practicable, include such information in our report.

We read the Directors' Report and we consider the implications for our report if we become aware of any apparent mis-statement within it. Our responsibilities do not extend to other information.

(continued on next page)

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INDEPENDENT AUDITORS' REPORT TO THE MEMBERS OF BIOPOWER ENERGY SAVINGS LIMITED

Basis of audit opinion

We conducted our audit in accordance with International Standards on Auditing (UK and Ireland) issued by the Auditing Practices Board. An audit includes examination, on a test basis, of evidence relevant to the amounts and disclosures in the financial statements. It also includes an assessment of the significant estimates and judgements made by the directors in the preparation of the financial statements and whether the accounting policies are appropriate to the company's circumstances, consistently applied and adequately disclosed.

We planned and performed our audit so as to obtain all the information and explanations which we considered necessary in order to provide us with sufficient evidence to give reasonable assurance that the financial statements are free from material mis-statement whether caused by fraud or other irregularity or error. In forming our opinion we evaluated the overall adequacy of the presentation of information in the financial statements.

Opinion

In our opinion the financial statements:

- * give a true and fair view, in accordance with Generally Accepted Accounting Practice in Ireland of the state of the affairs of the company as at 30 September 2008 and of the loss for the period then ended; and
- * have been properly prepared in accordance with the Companies Acts 1963 to 2009.

Emphasis of Matter- Going Concern

Without qualifying our opinion, we draw your attention to Note 2 in the financial statements which indicates that the company has incurred losses during the year and has net liabilities of €59,569 at the year end. These conditions indicate the existence of a material uncertainty which may cast significant doubt about the company's ability to continue as a going concern. The company is dependent on and has obtained written confirmation of continued support from the company's parent company, Biopower Group Public Limited Company for a period of not less than 12 months from the date of approval of the financial statements. The report of the auditors on the financial statements of the parent company for the period ended 30 September 2008 draws attention to the existence of a material uncertainty which may cast significant doubt about the company's ability to continue as a going concern, which is particularly dependent on fund-raising activity including a share issue currently in progress. The directors have prepared the financial statements of the company on the basis that the company is a going concern. The financial statements do not include the adjustments that would result if the company was unable to continue as a going concern.

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INDEPENDENT AUDITORS' REPORT TO THE MEMBERS OF BIOPOWER ENERGY SAVINGS LIMITED

We have obtained all the information and explanations we considered necessary for the purposes of our audit. In our opinion proper books of account have been kept by the company. The company's balance sheet and its profit and loss account are in agreement with the books of account.

In our opinion, the information given in the directors' report is consistent with the financial statements.

The liabilities of the company exceed the assets of the company, as stated on the balance sheet and, in our opinion, on that basis there did exist at 30th September 2008, a financial situation which under Section 40(1) of the Companies (Amendment) Act 1983 may require the convening of an extraordinary general meeting of the company.

Deloitte & Touche
Cork

Date: *11 August 2009*

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BIOPOWER ENERGY SAVINGS LIMITED

**PROFIT AND LOSS ACCOUNT
FROM THE DATE OF INCORPORATION TO 30 SEPTEMBER 2008**


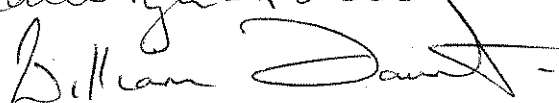
	Notes	11 months ended 30/09/08 €
Turnover - continuing operations	3	5,435
Administrative expenses		<u>(65,006)</u>
LOSS ON ORDINARY ACTIVITIES BEFORE TAXATION	4	(59,571)
Taxation on loss on ordinary activities	5	<u>-</u>
LOSS ON ORDINARY ACTIVITIES AFTER TAXATION		<u>(59,571)</u>

There are no recognised gains or losses other than the loss for the financial period as disclosed in the profit and loss account.

The financial statements were approved by the Board of Directors on 11 August 2009 and signed on its behalf by

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)
)
) DIRECTORS
)
)

BIOPOWER ENERGY SAVINGS LIMITED

**BALANCE SHEET
AS AT 30 SEPTEMBER 2008**

	Notes	2008 €
FIXED ASSETS		
Tangible assets	6	10,837
CURRENT ASSETS		
Debtors	7	784
Cash at bank and in hand		6,434
		7,218
CREDITORS (Amounts falling due within one year)	8	(5,338)
NET CURRENT ASSETS		1,880
TOTAL ASSETS LESS CURRENT LIABILITIES		12,717
CREDITORS (Amounts falling due after more than one year)	9	(72,286)
NET LIABILITIES		(59,569)
CAPITAL AND RESERVES		
Called up share capital	10	2
Profit and loss account	11	(59,571)
SHAREHOLDERS' DEFICIT	12	(59,569)

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The financial statements were approved by the Board of Directors on 11 August 2009 and signed on its behalf by

)
) DIRECTORS *Walter Rye - ball*
) *William Daint*

BIOPOWER ENERGY SAVINGS LIMITED

**NOTES TO THE FINANCIAL STATEMENTS
FROM THE DATE OF INCORPORATION TO 30 SEPTEMBER 2008**

1. STATEMENT OF ACCOUNTING POLICIES

The significant accounting policies adopted by the company are as follows:

BASIS OF PREPARATION

The financial statements have been prepared in accordance with accounting standards generally accepted in Ireland and Irish statute comprising the Companies Acts, 1963 to 2009.

ACCOUNTING CONVENTION

The financial statements have been prepared under the historical cost convention.

TURNOVER

Turnover represents the invoiced amount of services provided, net of value added tax.

DEPRECIATION OF TANGIBLE ASSETS

Fixed assets are stated at cost, provision is made for depreciation on all tangible assets, at rates calculated to write off the cost of each asset over its expected useful life, as follows:

Plant and office equipment

10% Straight line basis

CASH FLOW STATEMENT

The company meets the size criteria for a small company set by the Companies (Amendment) Act, 1986 and therefore, in accordance with FRS 1: Cash Flow Statements, it has not prepared a cash flow statement.

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BIOPOWER ENERGY SAVINGS LIMITED

NOTES TO THE FINANCIAL STATEMENTS FROM THE DATE OF INCORPORATION TO 30 SEPTEMBER 2008

2. GOING CONCERN BASIS OF PREPARING THE FINANCIAL STATEMENTS

The company incurred a loss during the year of €59,571 and had net liabilities of €59,569 at the balance sheet date. The company is in a start up situation and projects that activity will increase significantly in the foreseeable future. During this time, the company will continue to be supported by, and has obtained written confirmation of continuing support from, Biopower Group Public Limited Company for a period of not less than 12 months from the date of approval of the financial statements.

The financial statements of the parent company indicate that the directors are confident that fund-raising activity including a share issue currently in progress will be sufficient to finance its investing activities and working capital requirements and to meet its liabilities as they fall due and for a period of not less than twelve months from the date of approval of the financial statements.

On this basis the directors consider that it is appropriate to prepare the financial statements of the company on the going concern basis, which assumes that the company will continue in operational existence for the foreseeable future. The financial statements do not include any adjustments to the carrying amount and classification of assets and liabilities that would arise if the company was unable to continue as a going concern.

3. TURNOVER

The total turnover of the company for the period has been derived from its principal activity wholly undertaken in Ireland.

4. LOSS ON ORDINARY ACTIVITIES BEFORE TAXATION

11 months
ended
30/09/08
€

Loss on ordinary activities before taxation is stated
after charging:

Depreciation of tangible assets	1,204
Auditors' remuneration	1,200
	<u>2,404</u>

5. TAXATION ON LOSS ON ORDINARY ACTIVITIES

No charge to taxation arises due to losses incurred.

BIOPOWER ENERGY SAVINGS LIMITED

**NOTES TO THE FINANCIAL STATEMENTS
FROM THE DATE OF INCORPORATION TO 30 SEPTEMBER 2008**

6. TANGIBLE ASSETS

	Plant & office equipment €	Total €
Cost		
Additions	12,041	12,041
At 30 September 2008	<u>12,041</u>	<u>12,041</u>
Depreciation		
Charge for the period	1,204	1,204
At 30 September 2008	<u>1,204</u>	<u>1,204</u>
Net book values		
At 30 September 2008	<u><u>10,837</u></u>	<u><u>10,837</u></u>

The basis by which depreciation is calculated is stated in Note 1.

7. DEBTORS

	2008 €
Amounts falling due within one year:-	
VAT recoverable	782
Other debtors and prepayments	2
	<u>784</u>

8. CREDITORS (Amounts falling due within one year)

	2008 €
Accruals	<u><u>5,338</u></u>

BIOPOWER ENERGY SAVINGS LIMITED

**NOTES TO THE FINANCIAL STATEMENTS
FROM THE DATE OF INCORPORATION TO 30 SEPTEMBER 2008**

9. CREDITORS (Amounts falling due after more than one year)	2008 €
Amounts due to Biopower Limited	12,891
Amount owed to Biopower Group Plc	59,395
	<u>72,286</u>
10. CALLED UP SHARE CAPITAL	2008 €
Authorised equity :	
100,000 ordinary shares of €1.00 each	<u>100,000</u>
Allotted, called up and fully paid equity :	
2 ordinary shares of €1.00 each	<u>2</u>
11. PROFIT AND LOSS ACCOUNT	2008 €
Loss for the period	(59,571)
Profit and loss account carried forward	<u>(59,571)</u>
12. RECONCILIATION OF MOVEMENTS IN SHAREHOLDERS' DEFICIT	2008 €
Loss for the period	(59,571)
Net proceeds of equity share issue	2
Closing shareholders' deficit	<u>(59,569)</u>

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BIOPOWER ENERGY SAVINGS LIMITED

**NOTES TO THE FINANCIAL STATEMENTS
FROM THE DATE OF INCORPORATION TO 30 SEPTEMBER 2008**

13. GROUP MEMBERSHIP

The company is a subsidiary of Biopower Group Public Limited Company, a company incorporated in the Republic of Ireland.

14. RELATED PARTY TRANSACTIONS

During the year the company had a number of transactions with its parent company Biopower Group Public Limited Company and with Biopower Limited. The balances owed by the related companies are disclosed in Note 9.

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BIOPOWER ENERGY SAVINGS LIMITED

ADDITIONAL INFORMATION NOT COVERED BY THE AUDITORS' REPORT

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BIOPOWER ENERGY SAVINGS LIMITED

**SCHEDULES TO THE PROFIT AND LOSS ACCOUNT
FROM THE DATE OF INCORPORATION TO 30 SEPTEMBER 2008**

	11 months ended 30/09/08 €
ADMINISTRATIVE EXPENSES	
Staff training	3,585
Printing and stationery	34,966
Advertising and promotion costs	6,103
Telephone and postage	323
Motor, travel & conference expenses	12,242
Design, development & research costs	2,156
Consultancy fees	1,897
Audit and accountancy fees	2,500
Bank charges	30
Depreciation	1,204
	<hr/> 65,006 <hr/>

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Biopower Energy Savings Limited

Deloitte & Touche
Chartered Accountants & Registered Auditors
No. 6 Lapp's Quay
Cork

Dear Sirs,

We confirm to the best of our knowledge and belief, and having made appropriate enquiries of other officials of the company (and where appropriate, inspection of evidence) sufficient to satisfy ourselves that we can properly make each of the following representations given to you in connection with your audit of the company's financial statements for the period ended 30 September 2008 .

1. We acknowledge as directors our responsibilities under the Companies Acts 1963 to 2006 for preparing financial statements for the company which give a true and fair view and for making accurate representations to you.
2. There have been no significant transactions with the directors and officers of the company and its subsidiaries, and other related parties, other than those which are included in the notes to the financial statements.
3. That at no time during the year has the company had any arrangement, transaction or agreement to provide credit facilities (including loans, quasi-loans or credit transactions) for directors (or persons connected with them) or to guarantee or provide security for such matters (except as disclosed in the notes to the accounts)
4. We confirm that all errors known to us, or identified by you in the course of your audit and communicated to us, were adjusted.

5. Books & Records

To the best of our knowledge and belief all transactions undertaken by the company have been properly recorded in the accounting records and these financial statements and all relevant records have been given to you.

6. Profit and Loss Account

Except as disclosed in the financial statements, the results for the year were not materially affected by:

- (a) transactions of a sort not usually undertaken by the company,
- (b) circumstances of an exceptional or non-recurrent nature,
- (c) charges or credits relating to prior periods or
- (d) any change in the basis of accounting.

Any expenditure included in the financial statements (where receipts or vouchers were not available) was properly made in connection with the carrying on of the company's business, unless specifically notified to you as being of a private nature.

7. Fixed Assets

- (a) The company has a satisfactory title to all fixed assets included in the financial statements.
- (b) The fixed assets to which the company has satisfactory title are included in the financial statements.
- (c) All amounts of expenditure capitalised in respect of fixed assets as detailed in the financial statements represent expenditure incurred in acquiring additional assets or improving existing assets. No expenditure capitalised is of a revenue nature.

(continued on next page)

8. Bank & Cash

The balances disclosed in the financial statements for bank and cash balances held at year end reflects all bank accounts and cash balances held by the company at year-end. We confirm that the company has legal title to these amounts as stated in the financial statements.

We confirm that no bank accounts except as disclosed in the financial statements have been opened in the name of the company.

9. Debtors

Balances included in the financial statements are all valid debtors or prepayments. The bad debts written off are complete as far as the directors are aware and full provision has been against specific debts which are known or may be expected to be irrecoverable.

10. Liabilities

All known liabilities of material amount at 30 September 2008 are shown in the financial statements including the liability for all purchases to which title has passed prior to 30 September 2008 .

11. Capital Commitments

At 30 September 2008 there were no commitments for capital expenditure.

12. Contingent Liabilities

No contingent liabilities existed at 30 September 2008.

13. Post Balance Sheet Events

No events have occurred between 30 September 2008 and the date of this letter which could materially affect the financial statements.

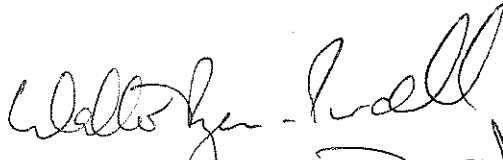
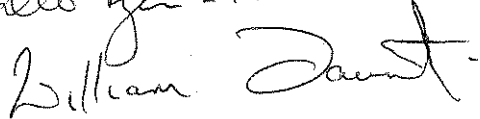
14. Going Concern

We have prepared the accounts on a going concern basis. The parent company has signed a letter undertaking to continue to provide whatever financial assistance is necessary to enable the company to continue to trade for a period of twelve months from the date of approval of these financial statements.

The directors confirm their willingness to financially support the company for the foreseeable future.

We confirm that the above representations are made on the basis of adequate enquiries of management and staff (and where appropriate, inspection of evidence) sufficient to satisfy ourselves that we can properly make each of the above representations to you.

Yours faithfully,

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) **DIRECTORS** 
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