



# Industrial Emissions Activities Licence

## Application Form

<p><b>EPA Reg. N<sup>o</sup>:</b> (Office use only)</p>	<input type="text"/>
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### Environmental Protection Agency

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**Tracking Amendments to Application Form**

<b>Version No.</b>	<b>Date</b>	<b>Amendment since previous version</b>	<b>Reason</b>
V.1.0	June 2013	N/A	Introduction of IE (Licensing) Regulations 2013

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## ABOUT THIS APPLICATION FORM

This form is for the purpose of making an application for an Industrial Emissions Activity Licence under the Environmental Protection Agency Act, 1992, as amended. There is a separate application form for applicants who wish to apply for Classes 6.1 or 6.2 Intensive Agriculture.

The Application Form **must** be completed in accordance with the instructions included in this form and available on the EPA website. A valid application for an Industrial Emissions Activity (IEA) licence must contain the information prescribed in the Environmental Protection Agency (Industrial Emissions)(Licensing) Regulations, 2013. Regulation 9 of the Regulations sets out the statutory requirements for information to accompany a licence application. The application form is designed in such a way as to set out these questions in a structured manner and not necessarily in the order presented in Regulation 9. In order to ensure a legally valid application in respect of Regulation 9 requirements, please complete the Regulation 9 Checklist provided in Annex 2.

This Application Form does not purport to be and should not be considered a legal interpretation of the provisions and requirements of the Environmental Protection Agency Act, 1992, as amended, and the Environmental Protection Agency (Industrial Emissions)(Licensing) Regulation 2013. While every effort has been made to ensure the accuracy of the material contained in the Application Form, the EPA assumes no responsibility and gives no guarantees, undertakings and warranties concerning the accuracy, completeness or up-to-date nature of the information provided herein and does not accept any liability whatsoever arising from any errors or omissions.

Should there be any contradiction between the information requirements set out in the Application Form and any clarifying explanation on the EPA website then the requirements in this Application Form shall take precedence. The requirements of the 2013 Regulations, referenced above, shall take precedence over any considerations mentioned in this Application Form or on the website.

## SECTION A: NON-TECHNICAL SUMMARY

A non-technical summary of the application is to be included here. The summary should identify all environmental impacts of significance associated with the carrying on of the activity/activities and describe mitigation measures proposed or existing to address these impacts. This description should also indicate the normal operating hours and days per week of the activity.

The following information must be included in the non-technical summary:

- The relevant class or classes of activity in the First Schedule of the EPA Act 1992 as amended,
- Indication of whether EIS and planning permission documents are included,
- Indicate relevant BAT guidance documents or BAT Conclusions decisions,
- The title of the relevant BREF document
- Information on how the emission limit values have been determined,
- Indication if EC (Control of Major Accident Hazards involving Dangerous Substances) Regulations 2006 apply,
- If a derogation is being sought and the specific reasons for such derogation,
- A description of:
  - the installation (plant, methods, processes, abatement, recovery and treatment systems and operating procedures for the activity), with emphasis on the main measures to avoid, reduce and if possible offset the major adverse effects on the environment
  - the raw and auxiliary materials, substances, preparations, fuels and energy which will be produced by or utilized in the activity,
  - the sources of emissions from the installation,
  - the environmental conditions of the site of the installation (e.g. soil and groundwater, air, noise, surface water) including reference to a Baseline Report where applicable,
  - the nature and quantities of existing and proposed emissions from the installation into each medium as well as a summary of the assessment of the effects of the emissions on the environment as a whole,
  - the proposed technology and other techniques to prevent or eliminate, or where this is not practicable, limit, reduce or abate emissions from the installation,
  - summary of the quantity and nature of wastes which may be produced or accepted at the installation,
  - measures to ensure that waste production is avoided in accordance with the waste hierarchy in Council Directive 98/2008/EC on waste and section 21A of the Waste Management Act 1996, as amended; where waste is generated, it is prepared for re-use, recycled or recovered or, where that is technically and economically impossible, it is disposed of while avoiding or reducing any impact on the environment (applicants should provide this information in the context of the Waste Management Act 1996, as amended);
  - all the appropriate preventive measures are taken against pollution, in particular through application of the Best Available Techniques (BAT) or BAT Conclusions Decision;

- the necessary measures are to be taken under abnormal operating conditions, including start up, shutdown, leaks, malfunctions, breakdowns and momentary stoppages;
- the necessary measures to be taken on and following permanent cessation of activities to avoid any risk of environmental pollution and return the site of the activity to a satisfactory state or the state established in the baseline report if required;
- measures planned to monitor emissions into the environment,
- measures to comply with an environmental quality standard,
- measures to comply with Council Directive 80/68/EEC and 2006/118/EC in relation to the protection of groundwater,
- measures to be taken for minimizing pollution over long distances or outside the territory of Ireland,
- the main alternatives to the proposed technology, techniques and measures studied by the applicant.

Supporting information should form **Attachment N° A.1**

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<b>SECTION B: GENERAL</b>
---------------------------

**B.1. Owner/Operator**

<b>Name*:</b>	Timoleague Agri Gen Ltd.
<b>Address:</b>	Barryshall
	Timoleague
	Bandon
	Co. Cork
<b>Tel:</b>	023 8846522
<b>Fax:</b>	
<b>e-mail:</b>	

\* This should be the name of the applicant which is current on the date this 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.

<b>Name:</b>	NRGE Ltd.
<b>Address:</b>	Mooresfort
	Lattin
	Co. Tipperary
<b>Tel:</b>	062 55385
<b>Fax:</b>	062 55483
<b>e-mail:</b>	info@nrge.ie

**CRO No. and address of registered or principal office of Body Corporate**

<b>CRO No.</b>	511659
<b>Address:</b>	Barryshall
	Timoleague
	Bandon
	Co. Cork
<b>Tel:</b>	023 8846522
<b>Fax:</b>	
<b>e-mail:</b>	

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

- a) a Certified Copy of the Certificate of Incorporation.
- b) the Company's Registration Number from the Companies Registry Office.
- c) Particulars of Registered Office of the Company.

**Name and address of the proprietor(s) of the land on which the activity is situated (if different from applicant named above):**

<b>Proprietor's Name:</b>	Colin Bateman
<b>Address:</b>	Barryshall
	Timoleague
	Bandon
	Co. Cork
<b>Tel:</b>	023 8846522
<b>Fax:</b>	
<b>e-mail:</b>	

**Name and address of the owner(s) of the building and ancillary plant in which the activity is situated (if different from applicant named above):**

<b>Name:</b>	Colin Bateman
<b>Address:</b>	Barryshall
	Timoleague
	Bandon
	Co. Cork
<b>Tel:</b>	023 8846522
<b>Fax:</b>	
<b>e-mail:</b>	

**B.2. Location of Activity**

<b>Name:</b>	Timoleague Agri Gen Ltd
<b>Address*:</b>	Barryshall
	Timoleague
	Bandon
	Co. Cork
<b>Tel:</b>	023 8846522
<b>Fax:</b>	
<b>Contact Name:</b>	
<b>Position:</b>	
<b>e-mail:</b>	

\* Include any townland.

<b>National Grid Reference (12 digit 6E,6N)</b>	X146333.76, Y042368.62
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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.

Geo-referenced digital drawing files (e.g. AutoCAD files) in Irish Grid projection of the site boundary and overall site plan, including labelled emission, monitoring and sampling points, are also required. This data should be provided to the Agency on a separate CD-Rom containing sections B.2, E.6 and F.3.

<b>Name of geo-referenced digital drawing files</b>	Overall Site Plan
<b>Name of CD-Rom with digital drawing files</b>	Geo-referenced Drawings



**B.3. Class of Activity**

Identify the relevant activities in the First Schedule of the EPA Act 1992, as amended, to which the activity relates:

Class	Description
11.4	The use of Heat for the manufacture of fuel from waste

**B.4 Industrial Emissions Directive**

Specify which category/categories of industrial activity referred to in Annex I of the Industrial Emissions Directive (2010/75/EU) is/are to be carried out at the installation.

Category	Description
5.3 (b)	Recovery, or a mix of recovery and disposal, of non-hazardous waste with a capacity exceeding 75 tonnes per day involving one or more of the following activities, and excluding activities covered by Directive 91/271/EEC: (i) biological treatment; When the only waste treatment activity carried out is anaerobic digestion, the capacity threshold for this activity shall be 100 tonnes per day.

State whether the installation falls under the scope of Chapters III, IV , V and/or VI of the Industrial Emissions Directive (2010/75/EU) and if yes specify the relevant sections and Annex.

IED Chapter(s) and relevant Annex(es)

Supporting information should be included in **Attachment N° B.4.**

### B.5. Employees/ Capital Cost

Give-

(i) In the case of an established activity, the number of employees and other persons working or engaged in connection with the activity on the date after which a licence is required and during normal levels of operation, or

(ii) In any other case, the gross capital cost of the activity to which the application relates.

<b>Number of Employees (existing facilities):</b>	n/a
<b>Gross Capital Cost (new proposals) €</b>	€5.5 million

### B.6. Relevant Planning Authority and/or Public Authority

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

<b>Name:</b>	Cork County Council
<b>Address:</b>	Norton House
	Skibbereen
	Co. Cork
<b>Tel:</b>	028 40340
<b>Fax:</b>	

Planning Permission relating to this application:

<b>B.6.(a) is not required</b>	<input type="checkbox"/>
<b>B.6.(b) has been obtained</b>	<input checked="" type="checkbox"/>
<b>B.6.(c) is being processed</b>	<input type="checkbox"/>

<b>Local Authority Planning File Reference N°:</b>	1383
<b>An Bord Pleanála Planning File Reference No:</b>	

The following should be addressed in **Attachment B.6.**

#### B.6(a) Planning permission not required

Where **the new activity or changes to the existing activity which require this licence/review application** does not require a grant of planning permission, the following should be included in **Attachment N° B.6:**

- Confirmation in writing from the planning authority or An Bord Pleanála, as the case may be, that a grant of permission is not required,

**AND**

- Details of previous planning permissions granted for the development comprising the activity, including a copy of the grant of permission and a copy of all conditions.

**AND EITHER**

- (a) Where the planning authority or An Bord Pleanála accepted or required the submission of a copy of an EIS under the Planning and Development Act 2000, as amended, for a previous planning permission application, the required number of copies of the most recent EIS should be submitted. A copy of the planning inspector's report associated with that EIS should also be submitted.

**OR**

- (b) Where an EIS was not required for any previous planning permissions granted for the development comprising the activity, submit confirmation in writing from the planning authority or An Bord Pleanála that an environmental impact assessment was not required for the development by or under the Planning and Development Act 2000, as amended.
- Where a grant of planning permission has never been required for the site of the activity, submit confirmation in writing from the planning authority or An Bord Pleanála, as the case may be, of same.

B.6(b) Planning permission already granted

Where **the new activity or changes to the existing activity which require this licence/review application** has already been granted planning permission by a planning authority or An Bord Pleanála, the following should be included in **Attachment N° B.6**:

- a copy of the grant of permission and either:
  - (a) where the planning authority or An Bord Pleanála accepted or required the submission of a copy of an EIS under the Planning and Development Act 2000, as amended, the required number of copies of that EIS;

**OR**

- (b) confirmation in writing from the planning authority or An Bord Pleanála that an environmental impact assessment was not required for the development by or under the Planning and Development Act 2000, as amended.
- A summary of all previous planning permissions granted for the site of the activity should be provided.

B.6(c) Planning permission under consideration

Where **the new activity or changes to the existing activity which require this licence/review application** involves development or proposed development that requires a grant of planning permission, and the relevant planning application is under consideration by the planning authority or An Bord Pleanála, the following should be included in **Attachment N° B.6**:

- confirmation in writing from a planning authority or An Bord Pleanála, as the case may be, that an application for permission comprising or for the purposes of the activity to which the application for a licence relates, is currently under consideration, and either:

- (a) the required number of copies of the EIS relating to that application for permission, where one is required by or under the Planning and Development Act 2000, as amended;

**OR**

- (b) confirmation in writing from the planning authority or An Bord Pleanála that an environmental impact assessment is not required by or under the Planning and Development Act 2000, as amended.

- A summary of all previous planning permissions granted for the site of the activity should be provided.

For B.6(b) and B.6(c) above, please note that in accordance with Section 87(1C) of the EPA Act 1992, as amended, the Agency shall **refuse to consider** the licence application if the applicant does not comply with the requirements of Section 87(1B).

Appropriate Assessment

Where applicable, provide a copy of any screening for Appropriate Assessment report and Natura Impact Statement (NIS) that was prepared for consideration by any planning/public authority as defined in Regulation 2(1) of the European Communities (Birds and Natural Habitats) Regulations 2011 (S.I. No. 477 of 2011) in relation to the activity. Where a determination that an Appropriate Assessment is required has been made by any planning/public authority in relation to the activity, a copy of that determination and any screening report and Natura Impact Statement (NIS), and any supplemental information furnished in relation to any such report or statement, which has been provided to the planning/public authority for the purposes of the Appropriate Assessment shall be included in **Attachment N° B.6**.

Licences and permits

For existing activities, **Attachment N° B.6** should also contain a table of references to all licences and permits past and present, including those in force at the time of submission. This should include, but is not limited to, any permits/licenses or registration under GHG Emissions Trading Regulations and GMO Regulations.

**B.7. Relevant Water Services Authority**

In the case of a discharge of any trade effluent or other matter to a sewer of a Water Services Authority, give the name of the Water Services Authority in which the sewer is vested or by which it is controlled.

<b>Name:</b>	Cork County Council
<b>Address:</b>	Environmental Department
	Inniscarra
	Co. Cork
<b>Tel:</b>	021 4532700
<b>Fax:</b>	

In the case of a discharge of any trade effluent or other matter to a sewer not vested by a Water Services Authority, the applicant must supply as **Attachment N° B.7**;

- (a) the name and address of the owner(s) of the sewer and the waste water treatment plant to which the sewer discharges (e.g. IDA, SFADCo or private undertaker) and who are responsible for the quality of the treated effluent discharging to waters and

(b) a copy of the effluent regulations and the agreement between the applicant and the aforementioned.

**Details of owner(s) of a sewer and waste water treatment plant not vested in a Water Services Authority**

<b>Name:</b>
<b>Address:</b>
<b>Tel:</b>
<b>Fax:</b>

**B.8. Relevant Regional Health Service Executive**

The applicant should indicate the Regional Health Service Executive where the activity is or will be located.

<b>Name:</b>	Health Service Executive, South
<b>Address:</b>	Wilton Road
	Co. Cork
<b>Tel:</b>	021 4923774
<b>Fax:</b>	021 4923627

**B.9 Site Notice, Newspaper Advertisement and Planning Authority Notice.**

**Attachment N<sup>o</sup> B.9** should contain a copy of the text of the site notice, a map (no larger than A3) showing its location on site (in accordance with Article 6 of the Regulations) and a copy of the newspaper advertisement. A copy of the notice given to the Planning Authority should also be included.

**B.10 Seveso II Regulations**

State whether the activity is an establishment to which the EC (Control of Major Accident Hazards involving Dangerous Substances) Regulations (S.I. No. 74 of 2006) apply.

If yes, outline how the process comes under these regulations.

Supporting information should be included in **Attachment N<sup>o</sup> B.10**.

**B.11 Mercury Regulation**

State whether the activity is one to which the following apply:

- European Communities Mercury (Export Ban and Safe Storage) Regulations (S.I. No. 27 of 2012),
- Regulation (EC) No 1102/2008 of the European Parliament and of the Council of 22 October 2008 on the banning of exports or metallic mercury and certain mercury compounds and mixtures and the safe storage of metallic mercury.

Yes                       No

If yes, outline in **Attachment N<sup>o</sup> B.11** how the activity comes under these Regulations.

## B.12 Regulations Controlling Fluorinated Greenhouse Gases and Ozone Depleting Substances

State whether the installation is one to which the following apply:

- Operator of equipment and systems containing ozone depleting substances, in accordance with Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer.

Yes       No

- Operator of equipment and systems containing fluorinated greenhouse gases, in accordance with Regulation (EC) No. 842/2006 on certain fluorinated greenhouse gases.

Yes       No

If yes, outline in **Attachment N<sup>o</sup> B.12** how the activity comes under these regulations.

More information and guidance is available on the EPA website:

<http://www.epa.ie/air/airenforcement/ozone/guidanceanddownloads/>

## SECTION C: MANAGEMENT OF THE INSTALLATION

### C.1 Site Management & Control

Details should be provided on the management structures for the activity. Organisational charts and all relevant environmental management policy statements, including provisions for on-going assessment of environmental performance, are required.

### C.2 Environmental Management System (EMS)

Indicate whether an Environmental Management System has been developed for the installation. If yes, specify which standard and include a copy of the accreditation certificate.

### C.3 Hours of Operation

Provide details of the hours of operation for the installation, including:

- (a) Proposed hours of operation.
- (b) Proposed hours of construction and development works and timeframes.
- (c) For waste activities, the proposed hours of waste acceptance.
- (d) Any other relevant hours of operation expected.

### C.4 Fit and Proper Person

The EPA Act in Section 83(5)(xi) specifies that the Agency shall not grant a licence unless it is satisfied that the applicant or licensee or transferee as the case may be is a fit and proper person. Section 84(4) of the EPA Act 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 Environmental Protection Agency Act 1992, as amended, the Waste Management Act 1996, as amended, the Local Government (Water Pollution) Acts 1997 and 1990, the Air

Pollution Act 1987 and the Air Pollution Act 1987 (Environmental Specifications for Petrol and Diesel Fuels)(Amendment) Regulations 2004.

- Provide details of the applicant's technical knowledge and/or qualifications, along with that of other relevant employees.
- 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.

This information should form **Attachment N<sup>o</sup> C**.

## SECTION D: INFRASTRUCTURE & OPERATION

### D.1. Operational Information Requirements

Describe the plant, methods, processes, ancillary processes, abatement, recovery and treatment systems, and operating procedures for the activity, to include a copy of such plans, drawings or maps, (site plans and location maps, process flow diagrams), and such other particulars, reports and supporting documentation as are necessary to describe all aspects of the activity. Maps and drawings must be no larger than A3 size.

A development and operational history of the site should be included here.

**Attachment N<sup>o</sup> D** should contain a list of all unit operations (processes) to be carried out, including flow diagrams of each with any relevant additional information.

### D.2 Additional requirements for waste Activities (not covered above or elsewhere) (All Class 11 of the First Schedule of the EPA Act 1992, as amended)

This section D.2 of the application form should be completed only by applicants applying for classes 11.1, 11.2, 11.3, 11.4, 11.5, 11.6 and 11.7 (i.e. waste activities) of the First Schedule to the EPA Acts 1992, as amended.

#### D.2.1 Wastes to be accepted

State what wastes will be accepted at the installation for recovery or disposal. Complete table Table D.2(i) and include in **Attachment No. D.2** of the application. The following general guidelines may assist in containing the size of Table D.2(i) where there is a long list of EWC codes proposed.

- For any individual waste stream, described by EWC code or main waste description (e.g. municipal solid waste, mixed recyclables, C&D waste), comprising more than 5% of total intake, complete a single row in table D.2(i).
- For every hazardous waste stream, describe by EWC code, complete a single row in table D.2(i).
- Other waste streams, where the list of waste is long, may be aggregated, according to a waste category, with each relevant EWC code provided.

An EWC code should be provided for every waste proposed for acceptance at the installation.

State whether any wastes to be accepted are classified as animal by-products in accordance with Regulation 1069/2009 and identify the relevant wastes.

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

<b>Maximum Annual Tonnage (tonnes)</b>	
<b>Year</b>	

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

### D.2.2 Waste Acceptance Procedures

Provide a copy of the waste acceptance procedures employed or to be employed. Describe procedures for checking waste loads as they arrive at the installation. Describe procedures to be implemented in the event of a load of waste arriving at the installation that does not conform to waste acceptance procedures. The location of a quarantine area for handling suspect or non-compliant loads should be described and illustrated on a suitable site drawing.

For landfills and relevant incineration activities, describe how the requirements of *Municipal Solid Waste – Pre-treatment and Residuals Management: An EPA Technical Guidance Document* (EPA, 2009) will be implemented.

For landfills, the applicant should ensure that the requirements of Council Decision 2003/33/EC are addressed in waste acceptance procedures.

### D.2.3 Waste and material outputs from waste activities

Describe the waste and material outputs from the installation resulting from the treatment of waste. If no treatment is carried out on the waste, the waste outputs will be the same as the inputs.

If waste is treated, describe the nature and quantity of the treated waste and its onward fate/destination, and in particular whether it is sent for onward recovery or disposal operations.

If waste is treated and a material is produced that is no longer a waste, provide the rationale for such classification. The requirements of article 28 of the European Communities (Waste Directive) Regulations 2011 should be addressed in any such rationale.

### D.2.4 Principles of self-sufficiency and proximity

Describe how the proposed waste activities will contribute to the State's obligation to establish an integrated and adequate network of waste disposal installations and of installations for the recovery of mixed municipal waste collected from private households, including where such collection also covers such waste from other producers. Describe how the proposed waste activities will enable the State to move towards being more self-sufficient in the management of these wastes.

Supporting information should form **Attachment N° D**.

### D.3 Additional Requirements for landfills (not covered above or elsewhere) (Class 11.5 of the First Schedule of the EPA Act 1992, as amended)

This section D.3 of the application form should be completed only by applicants applying for classes 11.5 and 11.7 (landfills and underground storage facilities) of the First Schedule to the EPA Acts 1992, as amended. This includes landfills that are associated with other industrial activities.



All landfills must comply with the requirements of the Landfill Directive (1999/31/EC). It is the applicant's responsibility to ensure that all relevant requirements of the Directive are addressed and information provided in **Attachment D.3** of the application.

For wastes to be disposed of by landfilling on-site at industrial installations, full details of the disposal site should be submitted (to include *inter alia*, site selection procedures, location maps, (no larger than A3) geology, hydrogeology, operational plan, containment, gas and leachate management, post-closure care).

Applicants should have regard to the requirements of the Landfill Manuals published by the Environmental Protection Agency.

### D.3.1 Class of landfill

Complete Table D.3(i) and include in Attachment D.3 of the application. State which of the categories in Table D.3(i) is relevant to the current application.

**Table D.3(i) Class of landfill**

(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"/>

### D.3.2 Scale of waste deposition

Complete Table D.3(ii) and include in Attachment D.3 of the application. State the total quantity of waste for which authorisation is sought to be deposited in the landfill.

**Table D.3(ii) Scale of waste deposition at the landfill**

Total quantity of waste to be deposited at the landfill	Tonnes*	Void in cubic metres (m <sup>3</sup> )
(a) Waste deposited to date		
(b) Total waste to be deposited over the lifetime of the development (including deposited to date)		

\* Explain any conversion/density factors used in calculating the tonnage from the void, or vice versa.

### D.3.3 Liner System

Complete Table D.3(iii) and include in Attachment D.3 of the application. Table D.3(iii) provides a checklist of items that should be described in greater detail in Attachment D.3.

### D.3.4 Leachate Management

Complete Table D.3(iv) and include in Attachment D.3 of the application. Table D.3(iv) provides a checklist of items that should be described in greater detail in Attachment D.3. Provide a list and illustrate on a site drawing the location of all leachate monitoring, extraction and lead detection boreholes or installations.

### **D.3.5 Landfill Gas Management**

Complete Tables D.3(v)a to D.3(v)d and include in Attachment D.3 of the application. The tables provide a checklist of items that should be described in greater detail in Attachment D.3. Provide an estimate of the volume of landfill gas which will be produced by the waste for the next 20 years.

### **D.3.6 Capping System**

Complete Table D.3(vi) and include in Attachment D.3 of the application. Table D.3(vi) provides a checklist of items that should be described in greater detail in Attachment D.3.

### **D.3.7 Meteorological Data**

State in Attachment D.3 what arrangements are proposed for the measurement of meteorological data at the landfill installation, or for the collation of relevant meteorological information from nearby facilities.

### **D.3.8 Cost of the landfill of waste**

Describe in Attachment D.3 how all of the costs involved in the setting up and operation of the landfill, including the cost of financial provision, and the estimated cost of the closure and aftercare of the site for a period of at least 30 years will be covered by the gate fee to be charged for the disposal of waste.

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## **SECTION E: EMISSIONS**

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

#### E.1.A. Details of all point emissions to atmosphere

Details of all point emissions to atmosphere should be supplied. Complete Table E.1(i) for Boiler Emissions and Table E.1(ii) and E.1(iii) for all other main emission points. Complete Table E.1(iv) for minor emission points and provide results of emission monitoring where available.

A summary list of the emission points, together with maps and/or drawings (no larger than A3), and supporting documentation should be included as **Attachment N<sup>o</sup> E.1**. Plans of emission elevations, relevant roof heights, etc., should also be included, as should detailed descriptions and schematics of all abatement systems.

The applicant should address in particular any emission point where the substances listed in the Schedule of EPA (Industrial Emissions)(Licensing) Regulations 2013, S.I. No. 137 of 2013, are emitted.

For emissions outside the BAT guidance limit or BAT Conclusions levels, a full evaluation of the existing abatement/treatment system must be provided. A planned programme of

improvement towards meeting upgraded standards is required. This should highlight specific goals and a time scale, together with options for modification, upgrading or replacement as required to bring the emissions within the limits as set out in the BAT guidance note(s). These notes can be found on the EPA website at [www.epa.ie](http://www.epa.ie).

#### E.1.B. Fugitive and Potential emissions

Give summary details of fugitive and potential emissions in Table E.1(v).

In relation to activities listed in the Schedule of Council Directive 2010/75/EU (on Industrial Emissions) S.I. No.565 of 2012 on installations and activities using organic solvents;

- specify the relevant category of activity in the Schedule
- specify how the requirements in relation to fugitive emissions will be met.

For waste activities, dust and odour emissions should be described under the headings in this section.

Full details and any supporting information should form **Attachment E.1.**

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

Tables E.2(i) and E.2(ii) should be completed and provide results of emission monitoring where available.

A summary list of the emission points, together with maps/drawings (no larger than A3) and supporting documentation should be included as **Attachment N<sup>o</sup> E.2.**

The applicant should address in particular any emission point where the substances listed in the Schedule of EPA (Industrial Emissions) (Licensing) Regulations 2013 S.I. No. 137 of 2013, are emitted.

Details of all substances listed in the European Communities Environmental Objectives (Surface Waters) Regulations 2009, contained in any emission must be presented. All surface water runoff and storm water drains discharging to surface water bodies must be included. A National Grid Reference (12 digit, 6E, 6N) must be given for all discharge points the identity and type of receiving water (river, ditch, estuary, lake, etc.) must be stated.

Where relevant, describe proposed measures or controls that have been identified in a pollution reduction plan for the river basin district prepared in accordance with Part V of the EC Environmental Objectives (Surface Waters) Regulations 2009 for the reduction of pollution by priority substances or the ceasing or phasing out of emissions, discharges and losses of priority hazardous substances.

For emissions outside the BAT guidance limit or BAT Conclusions levels, a full evaluation of the existing abatement/treatment system must be provided. A planned programme of improvement towards meeting upgraded standards is required. This should highlight specific goals and a time scale, together with options for modification, upgrading or replacement as required to bring the emissions within the limits as set out in the BAT guidance note(s).

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

Tables E.3(i) and E.3(ii) should be completed and provide results of emission monitoring where available.

A summary list of the emission points, together with maps and/or drawings (no larger than A3) and supporting documentation should be included as **Attachment N<sup>o</sup> E.3**. Details of all List I and List II substances listed in the Annex to EU Directive 2006/11/EC (as amended), contained in any emission must be presented. All relevant information on the receiving sewer, including any effluent treatment/abatement systems, not already described, with schematics as appropriate should also be included in **Attachment N<sup>o</sup> E.3**.

For emissions outside BAT guidance limit (where given), a full evaluation of the existing abatement/treatment system must be provided. A planned programme of improvement towards meeting upgraded standards is required. This should highlight specific goals and a time scale, together with options for modification, upgrading or replacement as required to bring the emissions within any limits set out in the BAT guidance note(s).

#### E.4 Emissions to Ground

Describe in **Attachment N<sup>o</sup> E.4** the existing or proposed arrangements necessary to give effect to Council Directive 2006/118/EC on the protection of groundwater against pollution and deterioration and Council Directive 80/68/EEC on the protection of groundwater against pollution by certain dangerous substances.

The applicant should supply details of the nature and quality of any substance (agricultural and non-agricultural waste) to be landspread (slurry, effluent, sludges etc) as well as the proposed application rates, periods of application and mode of application (e.g., pipe discharge, tanker) having regard to the European Communities (Good Agricultural Practice for Protection of Waters) Regulations 2010, S.I. No 610 of 2010.

For emissions outside the BAT guidance limit, a full evaluation of the existing abatement/treatment system must be provided. A planned programme of improvement towards meeting upgraded standards is required. This should highlight specific goals and a time scale, together with options for modification, upgrading or replacement as required to bring the emissions within the limits as set out in the BAT guidance note(s).

#### 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 N<sup>o</sup> E.5**.

The Agency's *Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4)* (2012) should be consulted (available on [www.epa.ie](http://www.epa.ie)) where a noise impact assessment is required. A planned programme of improvement towards meeting upgraded standards is required and should have due regard to the noise control and mitigation measures outlined in section 8 and appendix (IX) of the *Guidance Note*. This programme should highlight specific goals and a time scale, together with options for modification, upgrading or replacement, as required, to bring the emissions within the limits as set out in the *Guidance Note*.

#### E.6 Tabular Data on Emission Points

Applicants should submit the following information for each emission point:

Point Code	Point Type	Easting	Northing	Verified	Emission
------------	------------	---------	----------	----------	----------

Provide label ID's assigned in section E	A=Atmospheric SW=Surface Water SE = Sewer GW=Groundwater N = Noise SL=Soil/Ground WS=Waste	6E-digit GPS Irish National Grid Reference	6N-digit GPS Irish National Grid Reference	Y = GPS used N = GPS not used	e.g. SO <sub>2</sub> , HCl, NH <sub>3</sub>
--	--	--	--	--	--

An individual record (i.e. row) is required for each emission point. Acceptable file formats include Excel, Access or other upon agreement with the Agency. A standard Excel template can be downloaded from the EPA website at [www.epa.ie](http://www.epa.ie). This data should be submitted to the Agency on a separate CD-Rom containing sections B.2, E.6 and F.3.

**SECTION F: CONTROL & MONITORING**

**Describe the proposed technology and other techniques for preventing or, where this is not possible, reducing emissions from the installation.**

Describe the measures to be taken under abnormal operating conditions, including start-up, shutdown, leaks, malfunctions, breakdowns and momentary stoppages.

Describe the measures to be taken to prevent or eliminate emissions and/or avoid pollution.

Describe what appropriate measures are to be taken where an Environmental Quality Standard requires stricter conditions than would be determined with reference to BAT

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

Details of treatment/abatement systems (air and effluent emissions) should be included, together with schematics as appropriate.

For each Emission Point identified complete Table F.1(i) and include detailed descriptions and schematics of all abatement systems.

**Attachment N<sup>o</sup> F.1** should contain any supporting information.

**F.2: Emissions Monitoring and Sampling Points**

Identify monitoring and sampling points and outline proposals for monitoring **emissions**. Table F.2(i) should be completed (where relevant) for air emissions, emissions to surface waters, emissions to sewer, emissions to ground and waste emissions. Where **ambient** environment monitoring is carried out or proposed, Table F.2 (ii) should be completed as relevant for each environmental medium.

Include details of monitoring/sampling locations and methods.

**Attachment N<sup>o</sup> F.2** should contain any supporting information.

**F.3: Tabular Data on Monitoring and Sampling Points**

Applicants should submit the following information for each monitoring and sampling point:

Point Code	Point Type	Easting	Northing	Verified	Pollutant
Provide label ID's assigned in section F3	M=Monitoring S=Sampling	6E-digit GPS Irish National Grid Reference	6N-digit GPS Irish National Grid Reference	Y = GPS used N = GPS not used	e.g. SO <sub>2</sub> , HCl, NH <sub>3</sub>

An individual record (i.e. row) is required for each monitoring and sampling point. Acceptable file formats include Excel, Access or other upon agreement with the Agency. A standard Excel template can be downloaded from the EPA website at [www.epa.ie](http://www.epa.ie). This data should be submitted to the Agency on a separate CD-Rom containing sections B.2, E.6 and F.3.

Point source monitoring/sampling refers to monitoring from specific emission points (e.g. from a boiler stack or outlet from a wastewater treatment plant). Examples of ambient monitoring includes monitoring of ambient air quality (e.g. boundary or off-site) or monitoring of river quality upstream/downstream of an effluent discharge.

## SECTION G: RESOURCE USE AND ENERGY EFFICIENCY

### G.1 Give a list of the raw and ancillary materials, substances, preparations, fuels and energy which will be produced by or utilised in the activity.

The list(s) given should be very comprehensive, all materials used, fuels, intermediates, laboratory chemicals and product should be included.

Particular attention should be paid to materials and product consisting of, or containing, dangerous substances as described in the EU (Classification, Packaging, Labelling and Notification of Dangerous Substances) Regulations 2003 [SI 116/2003] and Regulation (EC) No. 1272/2008. The list must classify these materials in accordance with both of these Regulations, and must specify the designated Risk Phrases (R-Phrases) and Hazard Statements. R-Phrases for each substance should be in accordance with Article 21 of the S.I 1272/2008.

Tables G.1 (i) and G.1(ii) must be completed. Copy as required.

Supporting information should be given in **Attachment N<sup>o</sup> G**.

For waste activities (class 11 of the First Schedule to the EPA Acts 1992, as amended), do not include here the list of wastes to be accepted for recovery and disposal. This should be described in section D.2 of the application.

### G.2 Energy Efficiency

A description of the energy used in or generated by the activity must be provided in **Attachment N<sup>o</sup> G**. Outline the measures taken to ensure that energy is used efficiently having regard to the relevant decision on BAT conclusions and/or BAT guidance and where appropriate, an energy audit with reference to the EPA Guidance document on Energy Audits should be carried out.

## SECTION H: MATERIALS HANDLING

### H.1 Raw Materials, Intermediates and Product Handling

All materials will have been listed in Tables G.1 (i) and G.(ii) of **Section G**.

Details of the storage conditions, location within the site, segregation system used and transport systems within the site should be outlined here in **Attachment N° H.1**. In addition, information relating to the integrity, impermeability and recent testing of pipes, tanks and bund areas should be outlined.

### H.2 Waste Prevention

Describe in **Attachment N° H.2** the arrangements for the prevention of waste in accordance with Part III of the Waste Management Acts 1996 to 2013. Describe what measures will be taken to prevent the generation of waste to the extent possible. State whether the installation has participated in any projects under the National Waste Prevention Programme.

### H.3 Describe the arrangements for the recovery or disposal of solid and liquid wastes generated at the installation.

Applicants should ensure that information is provided for each waste generated at the installation under each of the following headings:

- (a) Description & nature of waste
- (b) Source
- (c) European Waste Catalogue Code (Commission Decision 2000/532/EC, as amended)
- (d) Animal by-product category per EC Reg. 1069/2009 where relevant
- (e) Amount in tonnes per month
- (f) Location and method of disposal or recovery (on-site or off-site)

The following information should also be provided where appropriate:

- (g) Analysis of the waste (include test methods and Q.C.)
- (h) Its location of storage and the manner by which the integrity/impermeability of storage areas is maintained
- (i) Period or periods of generation of the waste

Where any waste would be classified as Hazardous Waste as defined in the Waste Management Act, 1996, as amended, this should be made clear in the information provided.

The Table H.3(i) should be completed with a single row for each waste generated at the installation. The table should be provided as part of **Attachment N° H.3**.

For waste activities (class 11 of the First Schedule to the EPA Acts 1992, as amended), do not repeat the information already sought in section D.2.3 of the application form and presented in Attachment D.2 of the application.

### H.4 Waste hierarchy

Where waste is generated by the installation, describe in **Attachment N° H.4** how it will be in order of priority in accordance with section 21A of the Waste Management Acts 1996 to 2013, prepared for re-use, recycling, recovery or where that is not technically or economically possible, disposed of in a manner which will prevent or minimise any impact on the environment.

Section 29(2A) of the Waste Management Acts 1996 to 2013 states that it shall be the duty of waste producers and holders to ensure that waste undergoes recovery operations in accordance with sections 21A and 32(1) of the Acts.

Describe how the waste hierarchy specified in article 21A of the Waste Management Acts 1996 to 2013 will be implemented at the installation. Describe how the waste generated at the installation will be managed in accordance with the waste hierarchy.

For waste whose generation cannot be prevented, describe what measures will be in place to ensure that waste is collected separately (if technically, environmentally and economically practicable) and will not be mixed with other waste or other material with different properties.

### **H.5 Waste recycling and recovery**

Describe how the activities at the installation contribute to national targets for the recycling and recovery of waste, not least:

- the preparing for reuse and the recycling of paper, metal, plastic and glass; and
- the preparing for reuse, recycling and other material recovery, including backfilling operations using waste to substitute other materials, of non-hazardous construction and demolition waste excluding naturally occurring material defined in category 17 05 04 in the list of waste.

State whether and describe how food waste will be managed in accordance with the requirements, as may be relevant, of the Waste Management (Food Waste) Regulations 2009.

Supporting information should form **Attachment N° H.5**.

## **SECTION I: EXISTING ENVIRONMENT & IMPACT OF THE ACTIVITY**

**Describe the conditions of the site of the installation.**

**Provide an assessment of the effects of any emissions on the environment, including on an environmental medium other than that into which the emissions are made.**

**Describe, where appropriate, measures for minimising pollution over long distances or in the territory of other states.**

### 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 as to whether or not emissions of main polluting substances (as defined in the Schedule of EPA (Industrial Emissions)(Licensing) Regulations 2013, S.I. No. 137 of 2013) 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 N° I.1** should also contain full details of any dispersion modelling of atmospheric emissions from the activity, where required. When carrying out dispersion



modelling, regard should be had to the EPA "Air Dispersion Modelling from Industrial installations Guidance Note (AG4)" or similar guidelines from a recognised authority.

Describe, where appropriate, measures for minimising pollution over long distances or in the territory of other states.

### I.2. Assessment of Impact on Receiving Surface Water

Describe the existing environment in terms of water quality with particular reference to environmental quality objectives and standards and any objectives and standards laid down for protected areas. Table I.2(i) should be completed

Provide a statement whether or not emissions of main polluting substances (as defined in the Schedule of EPA (Licensing)(Amendment) Regulations 2004, S.I. No. 394 of 2004) to water are likely to impair the environment.

Indicate whether or not the activity complies with the requirements of the EC Environmental Objectives (Surface Waters) Regulations 2009, S.I. No. 272 of 2009.

If the discharge is to water body that is already achieving high status, or if the discharge is to waters draining to the surface water bodies identified under the First Schedule of the *EC Environmental Objectives (Freshwater Pearl Mussel) Regulations 2009*, compliance must be with the 95%ile **high** status limits.

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

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

For emissions outside emission limit established according to the combined approach, a full evaluation of the existing abatement/treatment system must be provided. A planned programme of improvement towards meeting the upgraded standards is required. This should highlight specific goals and a time scale, together with options for modification, upgrading or replacement as required to bring the emissions within the limits established in accordance with the combined approach.

### 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.

With regard to Article 15 of the Industrial Emissions Directive (or Section 86A(8) of the EPA Act 1992, as amended), describe how the environment as a whole is provided an equivalent level of protection and will not lead to higher levels of pollution in the environment.

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

### I.4 Assessment of Impact of Ground/Groundwater Emissions

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

In the case of an activity that involves the use, production or release of relevant hazardous substances (as defined in section 3 of the EPA Act 1992 as amended), provide a baseline report in accordance with section 86B of the EPA Act 1992 as amended.

Give summary details and an assessment of the impacts of any existing or proposed emissions on the ground (aquifers, soils, sub-soils and rock environment), including any impact on environmental media other than those into which the emissions are to be made. This includes landspreading, land injection etc.

Land on which material may be landspread shall be identified on a suitable scaled map (1:10,560 and 1:50,000) and submitted as no greater than A3 size. All vulnerable (as a result of ground emissions) surface water bodies must be identified on these maps. Additional information should be included in **Attachment N<sup>o</sup> I.4**.

**Attachment N<sup>o</sup> I.4** should also contain full details of any modelling carried out of the potential impact of emissions from the activity on groundwater.

Landspreading of Agricultural/Non Agricultural Wastes

Tables I.4(ii) and I.4.(iii) should be complete where applicable. Further information is available in the Application Guidance Document.

#### 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.

Indicate whether or not compliance with the requirements of the EC Environmental Objectives (Groundwater) Regulations 2010, S.I. No. 9 of 2010 can be achieved.

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

#### I.6 Assessment of the Environmental Impact of On-site Waste Recovery and/or Disposal.

Describe the arrangements for any on-site recovery and disposal of waste generated by the activity.

Give details and an assessment of the impact of any existing or proposed on-site waste recovery or disposal activities on the environment, including environmental media other than those into which the emissions are to be made.

This information should form **Attachment N<sup>o</sup> I.6**.

#### I.7 Noise Impact

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

Ambient noise measurements

Complete Table I.7 (i) in relation to the information required below:

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

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

Prediction models, maps (no larger than A3), diagrams and supporting documents, including details of noise attenuation and noise proposed control measures to be employed, should form **Attachment N<sup>o</sup> I.7.**

I.8 Environmental Considerations and BAT

**Describe in outline the main alternatives to the proposed technology, techniques and measures which were studied.**

Identify all relevant decisions on BAT Conclusions, BAT reference document(s) (BREFs) and BAT guidance document(s).

Title of Document

Identify the BAT measures proposed or in place having regard to the relevant decision on BAT Conclusions or where this has not been published the conclusions on BAT from the relevant BAT reference documents. Where BAT is not being proposed, provide reasons and a justification.

Describe any proposal to test and use an 'emerging technique'.

Describe any environmental considerations which have been made with respect to the use of cleaner technologies, waste minimisation and raw material substitution.

Describe the measures proposed or in place to ensure that:

- (a) The best available techniques are or will be used to prevent or eliminate or, where that is not practicable, generally reduce an emission from the activity;
- (b) no significant pollution is caused;
- (c) waste production is avoided in accordance with the waste hierarchy in Council Directive 98/2008/EC on waste and section 21A of the Waste Management Act 1996, as amended; where waste is produced, it is prepared for re-use, recycled or recovered or, where that is technically and economically impossible, it is disposed of while avoiding or reducing any impact on the environment (applicants should provide this information in the context of sections 29(2A), 32 and 38(5A) of the Waste Management Act 1996, as amended);
- (d) energy and other resources are used efficiently;
- (e) the necessary measures are taken to prevent accidents and limit their consequences;
- (f) the necessary measures are taken upon definitive cessation of activities to avoid any pollution risk and return the site of operation to a satisfactory state.

Supporting information should form **Attachment N<sup>o</sup> I.8.**

## 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.

Supporting information should form **Attachment N<sup>o</sup> J**.

## SECTION K: REMEDIATION, DECOMMISSIONING, RESTORATION & 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.

There is an explicit requirement in EU and Irish law for financial provision for landfills and extractive waste facilities. For new activities subject to the requirements of the Landfill Directive (1999/31/EC) and the Extractive Waste Directive (2006/21/EC) that are not already licensed by the Agency, state whether the following have been prepared:

- an Environmental Liabilities Risk Assessment (ELRA);
- a Closure, Restoration and Aftercare Management Plan (CRAMP); and
- a proposal for Financial Provision that covers all liabilities identified in the ELRA and CRAMP.

Regard should be had by applicants to relevant Agency guidance on these matters.

Copies of any relevant documents and any supporting information should be included as Attachment No. K.

The Agency may prioritise other sectors (e.g. contaminated land, risk of waste facility closure liabilities, risk based on Seveso classification) and require the preparation of a proposal for financial provision before making a decision on a licence application. Applicants are advised to discuss the requirement for financial provision with the Agency prior to making an application.

Supporting information should be included as **Attachment No. K**.

## SECTION L: STATUTORY REQUIREMENTS

Indicate how the requirements of Section 83(5)(a)(i) to (v) and (vii) to (x) of the EPA Act 1992, as amended, shall be met, having regard, where appropriate, to any relevant specification issued by the Agency under section 5 (3) of the Act and the reasons for the selection of the arrangements proposed.

Indicate whether or not the activity is carried out, or may be carried out, or is located such that it is liable to have an adverse effect on -

- (a) a site placed on a list in accordance with Part 3 of S.I. 477 of 2011, or
- (b) a site where consultation has been initiated in accordance with Article 5 of the EU Habitats Directive (92/43/EEC).

Undertake a screening for Appropriate Assessment and state whether the activity, individually or in combination with other plans or projects, is likely to have a significant effect on a European Site(s), in view of best scientific knowledge and the conservation

objectives of the site(s). Where it cannot be excluded, on the basis of objective scientific information, following screening for Appropriate Assessment, that an activity, either individually or in combination with other plans or projects, will have a significant effect on a European Site, provide a Natura Impact Statement, as defined in Regulation 2(1) of the European Communities (Birds and Natural Habitats) Regulations (S.I. No. 477 of 2011). Where based on the screening it is considered that an Appropriate Assessment is not required, provide a reasoned response.

Indicate whether or not the activity is liable to have an adverse effect on water quality in light of the European Communities Environmental Objectives (Surface Water) Regulations 2009 (S.I. No. 272 of 2009).

Indicate whether or not the activity is liable to have an adverse effect on water quality in light of the European Communities Environmental Objectives (Ground Water) Regulations 2010 (S.I. No. 9 of 2010).

Indicate whether any of the substances specified in the Schedule of the EPA (Industrial Emissions)(Licensing) 2013, S.I. No. 137 of 2013, are discharged by the activity to the relevant medium.

Indicate if the best environmental practices are in place for control of diffuse emissions from the installation as set out in the following legislation:

- (a) a BAT Conclusions Implementing Decision published by the EC.
- (b) a specification prepared by the Agency in accordance with Section 5 of the *Environmental Protection Agency Act 1992* as amended;
- (c) the *Urban Waste Water Treatment Regulations 2001 (S.I. No. 254 of 2001)* as amended by the *Urban Waste Water Treatment (Amendment) Regulations 2004 (S.I. No. 440 of 2004)* or any future amendment thereof;
- (d) the *European Communities (Good Agricultural Practice for Protection of Waters) Regulations 2010 (S.I. No. 610 of 2010)* or any future amendment thereof;
- (e) the *Local Government (Water Pollution) Act, 1977 (Control of Cadmium Discharges) Regulations 1985 (S.I. No. 294 of 1985)*;
- (f) the *Local Government (Water Pollution) Act, 1977 (Control of Hexachlorocyclohexane and Mercury Discharges) Regulations 1986 (S.I. No. 55 of 1986)*;
- (g) the *Local Government (Water Pollution) Acts, 1977 and 1990 (Control of Carbon Tetrachloride, DDT and Pentachlorophenol Discharges) Regulations 1994 (S.I. No. 43 of 1994)*; and,
- (h) measures or controls identified in a pollution reduction plan for the river basin district prepared in accordance with Part V of the *EC Environmental Objectives (Surface Waters) Regulations 2009 S.I. No. 272 of 2009* for the reduction of pollution by priority substances or the ceasing or phasing out of emissions, discharges and losses of priority hazardous substances.

Supporting information should be included as **Attachment N<sup>o</sup> L** with reference to where the information can be found in the application.

**SECTION M: DECLARATION**

**Declaration**

I hereby make application for a licence / revised licence, pursuant to the provisions of the Environmental Protection Agency Act, 1992, as amended, and Regulations made thereunder.

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

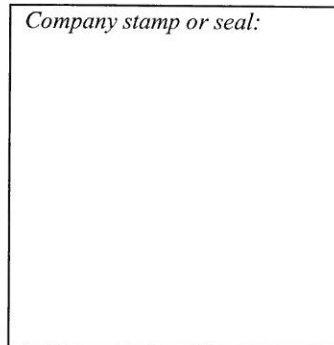
I give consent to the EPA to copy this application for its own use and to make it available for inspection and copying by the public, both in the form of paper files available for inspection at EPA and local authority offices, and via the EPA's website. This consent relates to this application itself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

**Signed by:**  **Date:** 30<sup>th</sup> October 2013  
(on behalf of the organisation)

**Print signature name:** MICHAEL SWEENEY

**Position in organisation:** CONSULTANT  
NRGE LTD.  
MOORESFORT,  
LATTIN,  
CO. TIPPERARY  
086 8188904

Company stamp or seal:



## **ANNEX 1: TABLES/ATTACHMENTS**

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**TABLE D.2(i) Waste Acceptance (type and quantities)**

Rows should be added to the table as necessary.

EWC Code	Waste description (the <u>actual</u> description of the waste, not the text accompanying the EWC code)	Tonnes per annum (existing)	Tonnes per annum (proposed)
020106	Pig Manure		23000
020103	Seaweed		5000
020502	Dairy Flotation Sludge		11000
020301	Feedmills Residuals		200
020301	Fruit Residuals		300
020301	Residuals from vegetables		750
020201	Other slurry fish manufacturing		300
020201	Paunch pigs		300
020201	Paunch Cows		5000
020301	Flotation Sludge		1200
200125	Fat Trap Waste		600
020701	Brewers Grains		750
020603	Bread		100

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**TABLE D.3(III) LINER SYSTEM**

	y/n
Provide information in Attachment D.3 to fulfil Annex 1 of the Landfill Directive	
Is the type of liner system specified?	
Has a Quality Control Plan been specified?	
Has a Quality Assurance Plan been specified?	
Has independent, third-party supervision, testing and controls been specified?	
Have basal gradients for all cells and access ramps to the cells been designed?	
Has a leak detection system been specified?	

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**TABLE D.3(IV) LEACHATE MANAGEMENT ARRANGEMENTS**

	y/n
Is there a Leachate Management Plan?	
Have annual quantities of leachate been calculated?	
Has the total quantity of leachate been calculated?	
Has the size of the cells been specified taking account of the water balance calculations?	
Has a leachate collection system been specified?	
Has a leachate storage system been specified?	
Has a system for monitoring the level of leachate in the waste been designed?	
Is leachate recirculation proposed/practised?	
Has leachate treatment on-site been specified?	
Has leachate removal been specified?	

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**Table D.3(v)a. Landfill Gas Management**

	y/n
Is there a Landfill Gas Management Plan?	
Is there a passive venting system?	
Does the passive system cover all of the filled area?	
Have gas alarm systems been installed in the site buildings?	
Have measures been installed to prevent landfill gas migration (e.g. barriers)?	
Has a time-scale been proposed for the installation of landfill gas infrastructure?	
Is gas flaring undertaken at the site?	
Is there an active (i.e., pumped) landfill gas extraction system?	
Does the active system cover all of the filled area?	
Is landfill gas used to generate energy at the site?	
Have emissions from the flarestack and utilisation plant been assessed for source, composition, quantity and level and rate? See section F of the application form for requirements.	
Has a maintenance programme for the control system been specified?	
Has a condensate removal system been designed?	

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**Table D.3(v)b Landfill Gas Monitoring for existing landfill gas flares and utilisation plants**

<b>Parameter</b>	<b>Concentration (mg/Nm<sup>3</sup>)</b>	<b>Frequency of Analysis</b>	<b>Method of Analysis</b>
<b>Inlet</b>			
Methane (CH <sub>4</sub> ) % v/v			
Carbon dioxide (CO <sub>2</sub> ) %v/v			
Oxygen (O <sub>2</sub> ) % v/v			
<b>Outlet</b>			
Volumetric Flow Rate			
SO <sub>2</sub>			
Nox			
CO			
Particulates			
TA Luft Class I, II, III organics			
Hydrochloric acid			
Hydrogen Fluoride			

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**Table D.3(v)c Landfill Gas Monitoring**

Parameter	Proposed Frequency of Analysis		Method of Analysis
	Gas boreholes, vents, wells and perimeter locations	Installation Office	
Methane (CH <sub>4</sub> ) % v/v			
Carbon Dioxide (CO <sub>2</sub> ) % v/v			
Oxygen (O <sub>2</sub> ) % v/v			
Atmospheric Pressure			
Temperature			

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**Table D.3(v)d Landfill Gas Infrastructure**

Equipment	Monitoring Frequency	Monitoring Action
Gas Collection System		
Gas Control System		

**Table D.3(vi) Capping System**

	y/n
Has the daily cover been specified?	
Has the intermediate cover been specified?	
Has the temporary capping been specified?	
Has the Capping System been designed and does it meet the requirements of the Landfill Directive Annex 1 (3.3)?	
Does the Capping System include a flexible membrane liner?	
Have all capping materials been specified?	
Has a Method Statement for construction been produced?	
Has a Quality Control Plan been produced?	
Has a Quality Assurance Plan been produced?	
Has a programme for monitoring landfill stability been developed?	
Has a programme for monitoring landfill settlement been developed?	

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**Table E.1 (i) BOILER EMISSIONS TO ATMOSPHERE** (1 Page for each emission point)

**Emission Point:**

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

**Characteristics of Emission:**

<b>Boiler rating</b> Steam Output: Thermal Input:				kg/hr MW
<b>Boiler fuel</b> Type: Maximum rate at which fuel is burned % sulphur content:				kg/hr
NOx				mg/Nm <sup>3</sup> 0°C. 3% O <sub>2</sub> (Liquid or Gas), 6% O <sub>2</sub> (Solid Fuel)
Maximum volume* of emission				m <sup>3</sup> /hr 0°C, 3 % O <sub>2</sub> (liquid or gas), 6 % O <sub>2</sub> (solid fuel)
Minimum efflux velocity				m.sec <sup>-1</sup>
Temperature	°C(max)	°C(min)		°C(avg)

\* Volume flow limits for emissions to atmosphere shall be based on Normal conditions of temperature and pressure, (i.e. 0°C,101.3kPa), dry gas; 3% oxygen for liquid and gas fuels; 6% oxygen for solid fuels.

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

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

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

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

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

Periods of Emission	_____ min/hr _____ hr/day _____ day/yr
---------------------	--



(avg)	
-------	--

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

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

**TABLE E.1(iv): EMISSIONS TO ATMOSPHERE - Minor atmospheric emissions**

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

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1 The maximum emission should be stated for each material emitted, the concentration should be based on the maximum 30 minute mean.

2 Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0°C/101.3kPa). Wet/dry should be clearly stated. Include reference oxygen conditions for combustion sources.

**TABLE E.1(v): EMISSIONS TO ATMOSPHERE – Fugitive and Potential atmospheric emissions**

Emission point ref. no. (as per flow diagram)	Description	Malfunction which could cause an emission	Emission details (Potential max. emissions) <sup>1</sup>		
			Material	mg/Nm <sup>3</sup>	kg/hour

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<sup>1</sup> Estimate the potential maximum emission for each malfunction identified.

**TABLE E.2(i): EMISSIONS TO SURFACE WATERS**

(One page for each emission)

**Emission Point: SW1**

Emission Point Ref. N <sup>o</sup> :	SW1		
Source of Emission:	Surface water from the roofs of the buildings and structures		
Location of discharge :	Indicated on the Site Location Map		
Grid Ref. (12 digit, 6E,6N):	146422.36E, 42476.26N		
Name of receiving waters and water body code:	n/a		
Flow rate in receiving waters:	n/a	_____ m <sup>3</sup> .sec <sup>-1</sup> Dry Weather Flow	_____ m <sup>3</sup> .sec <sup>-1</sup> 95%ile flow
Available assimilative capacity:	n/a		kg/day

**Emission Details:**

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

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

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

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

**Emission point reference number:** SW1

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	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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**Emission Point: SW2**

Emission Point Ref. N <sup>o</sup> :	SW2		
Source of Emission:	Surface water from paved yard areas		
Location of discharge :	Indicated on the Site Location Map		
Grid Ref. (12 digit, 6E,6N):	146662.41E, 42723.32N		
Name of receiving waters and water body code:	n/a		
Flow rate in receiving waters:	n/a	_____ m <sup>3</sup> .sec <sup>-1</sup> Dry Weather Flow	_____ m <sup>3</sup> .sec <sup>-1</sup> 95%ile flow
Available assimilative capacity:	n/a		kg/day

**Emission Details:**

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

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

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

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

**Emission point reference number:** SW2

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	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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

**Emission Point: N/A**

Emission Point Ref. N <sup>o</sup> :	
Location of connection to sewer:	
Grid Ref. (12 digit, 6E,6N):	
Name of sewage undertaker:	

**Emission Details:**

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

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

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

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

**Emission point reference number:**           N/A          

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 GROUND** (1 Page for each emission point)

**Emission Point or Area: N/A**

Emission Point/Area Ref. N°:	
Emission Pathway: (borehole, well, percolation area, soakaway, landspreading, etc.)	
Location :	
Grid Ref. (12 digit, 6E,6N):	
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:	

**Emission Details: N/A**

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

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

Periods of Emission (avg)	_____min/hr _____hr/day _____day/yr
---------------------------	-------------------------------------

**TABLE E.4(ii): EMISSIONS TO GROUND - Characteristics of the emission** (1 table per emission point)

**Emission point/area reference number:** N/A

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.5(i): NOISE EMISSIONS - Noise sources summary sheet – N/A**

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

1. For items of plant, sound power levels may be used.
2. Periods of emission should state if the plant item in question operates on a continuous or intermittent basis. If intermittent then further details of the hours of operation and any potential impulsive components associated with the source should be clearly identified.

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**TABLE F.1(i): ABATEMENT / TREATMENT CONTROL**

**Emission point reference number:** N/A

Control <sup>1</sup> parameter	Monitoring to be carried out <sup>2</sup>	Equipment <sup>3</sup>	Equipment back-up

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

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**TABLE F.2(i) : EMISSIONS MONITORING AND SAMPLING POINTS**

( 1 table per monitoring point)

**Emission Point Reference No. :** \_\_\_\_\_

Parameter	Monitoring frequency	Accessibility of Sampling Points	Sampling method	Analysis method/ technique
SW1	Annually (proposed)	Grid ref: 146422.36E, 42476.26N	N/A	N/A
SW2	Annually (proposed)	Grid ref: 146662.41E, 42723.32N	N/A	N/A
LD1	Monthly	Primary Digester	N/A	N/A
LD2	Monthly	Homogenising Tank	N/A	N/A
LD3	Monthly	Secondary Digester	N/A	N/A
LD4	Monthly	Validation Tank 1	N/A	N/A
LD5	Monthly	Validation Tank 2	N/A	N/A
LD6	Monthly	Reception Tack	N/A	N/A
LD7	Monthly	Geo-membrane Lined Basin I	N/A	N/A
LD8	Monthly	Geo-membrane Lined Basin II	N/A	N/A
LD9	Monthly	Geo-membrane Lined Basin III	N/A	N/A
LD10	Monthly	Fibre Store	N/A	N/A
LD11	Monthly	Fibre Store	N/A	N/A
LD12	Monthly	Fibre Store	N/A	N/A

**TABLE F.2(ii): AMBIENT ENVIRONMENT MONITORING AND SAMPLING POINTS** ( 1 table per monitoring point)

**Monitoring Point Reference No:** N/A

Parameter	Monitoring frequency	Accessibility of Sampling point	Sampling method	Analysis method / technique
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**Table G.1(i) Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site**

Ref. N <sup>o</sup> or Code	Material/ Substance <sup>(1)</sup>	CAS Number	Danger <sup>(2)</sup> Category	Amount Stored	Annual Usage	Nature of Use	R <sup>(3)</sup> - Phrase	S <sup>(3)</sup> - Phrase	Hazard Statement <sup>(4)</sup>
				(tonnes)	(tonnes)				

- Notes:
1. In cases where a material comprises a number of distinct and available dangerous substances, please give details for each component substance.
  2. Article 2(2) of S.I. No. 116/2003
  3. Schedules 9 and 10 of S.I. No. 62/2004 (as amended by S.I. No. 271/2008)
  4. EC Regulation 1272/2008 (Chemicals Act 2008 (13 of 2008) and 2010)

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

Ref. N <sup>o</sup> or Code	Material/ Substance <sup>(1)</sup>	Odour			Pollutants (Tick and specify Group/Family Number)			
		Odourous Yes/No	Description	Threshold $\mu\text{g}/\text{m}^3$	EC EO (Surface Waters) Regulations 2009		EC EO Groundwater Regulations 2010	
					Specific pollutants	Priority (hazardous) substances	Hazardous <sup>1</sup>	Non-hazardous <sup>1</sup>

Note 1: The EPA Classification of Hazardous and Non-Hazardous Substances in Groundwater, December 2010

**TABLE H.3(i): Generation of waste at the installation and its management**

Waste description	EWC Code (use asterisk to indicate whether hazardous waste or not)	Category per Animal By- products Regulation 1069/2009	Source of waste	Quantity generated (tonnes per month)	Location of recovery or disposal (on-site, off-site, exported)	Method of recovery or disposal (e.g. recycling, energy recovery, other incineration, landfill)

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**Table I.2(i) SURFACE WATER QUALITY**

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

Parameter	Results (mg/l)				Sampling method <sup>2</sup> (grab, drift etc.)	Normal Analytical Range <sup>2</sup>	Analysis method / technique
	Date	Date	Date	Date			
pH							
Temperature							
Electrical conductivity EC							
Total Ammonia as N							
Chemical oxygen demand							
Biochemical oxygen demand							
Dissolved oxygen DO							
Orthophosphate as P							
Nitrate as N							
Nitrite as N							
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 <sub>4</sub>							
Zinc Zn							
Total alkalinity (as CaCO <sub>3</sub> )							
Total organic carbon TOC							
Total oxidised nitrogen TON							
Nitrite NO <sub>2</sub>							
Nitrate NO <sub>3</sub>							
Faecal coliforms ( /100mls)							
Total coliforms ( /100mls)							
Phosphate PO <sub>4</sub>							

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**Table I.4(i) GROUNDWATER QUALITY - N/A**  
**(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							
Total Ammonium as N							
Nitrite as N							
Nitrate as N							
Orthphosphate as P							
Dissolved oxygen DO							
Residue on evaporation (180°C)							
Aluminium Al							
Arsenic As							
Boron B							
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							
Sulphate SO <sub>4</sub>							

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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 <sub>4</sub>							
Sulphate SO <sub>4</sub>							
Zinc Zn							
Total alkalinity (as CaCO <sub>3</sub> )							
Total organic carbon TOC							
Total oxidised nitrogen TON							
Arsenic As							
Barium Ba							
Boron B							
Fluoride F							
Phenol							
Phosphorus P							
Selenium Se							
Silver Ag							
Nitrite NO <sub>2</sub>							
Nitrate NO <sub>3</sub>							
Faecal coliforms ( /100mls)							
Total coliforms ( /100mls)							
Water level (m OD)							

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**TABLE I.4(ii): LIST OF OWNERS/FARMERS OF LAND – N/A**

Land Owner	Townlands where landspreading	Map Reference	Fertiliser P requirement for each farm
			*NMP must take account of on-farm slurry

Total P requirement of the client List \_\_\_\_\_

**TABLE I.4(ii): LANDSPREADING – N/A**

Land Owner/Farmer \_\_\_\_\_

Map Reference \_\_\_\_\_

Field ID	Total Area (ha)	(a) Usable Area (ha)	Soil P Test Mg/l	Date of P test	Crop	P Required (kg P/ha)	Volume of On-Farm Slurry Returned (m <sup>3</sup> /ha)	Estimated P in On-Farm Slurry (kg P/ha)	(b) Volume to be Applied (m <sup>3</sup> /ha)	P Applied (kg P/ha)	Total Volume of imported slurry per plot (m <sup>3</sup> )

**TOTAL VOLUME THAT CAN BE IMPORTED ON TO THE FARM:**

Concentration of P in landspread material	- kg P/m <sup>3</sup>
Concentration of N in landspread material	- kg N/m <sup>3</sup>

**Table I.7(i): AMBIENT & BACKGROUND NOISE ASSESSMENT – N/A**

***Need to carry out an assessment for tonal and impulsive noise<sup>1</sup>***

	National Grid Reference (6N, 6E)	Sound Pressure Levels (dB)					
		L <sub>Aeq</sub>		L <sub>A10</sub>		L <sub>A90</sub>	
		Ambient	Background <sup>2</sup>	Ambient	Background <sup>2</sup>	Ambient	Background <sup>2</sup>
<b>1. SITE BOUNDARY<sup>3</sup></b>							
<b>Location 1:</b>							
<b>Location 2:</b>							
<b>Location 3:</b>							
<b>Location 4:</b>							
<b>2. NOISE SENSITIVE LOCATIONS<sup>3</sup></b>							
<b>Location 1:</b>							
<b>Location 2:</b>							
<b>Location 3:</b>							
<b>Location 4:</b>							

1. Refer to section 5 of the Agency's *Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4)* (2012).
2. Background noise levels should be determined in the absence of site specific noise. Where an installation is operational on a 24hr basis, estimates may be given for background noise levels, but this should be noted.
3. All locations should be identified on accompanying drawings.



## ANNEX 2: CHECKLIST FOR Regulation 9 COMPLIANCE

Regulation 9 of the Environmental Protection Agency (Industrial Emissions)(Licensing) Regulations, 2013 sets out the statutory requirements for information to accompany a licence application. The Application Form is designed in such a way as to set out these questions in a structured manner and not necessarily in the order presented in Regulation 9. In order to ensure a legally valid application in respect of Regulation 9 requirements, all Applicants should complete the following checklist and submit it with the completed Application Form.

Regulation 9(2)		Section in Application	Checked by Applicant ✓
(a)	<p>Give:</p> <p>(i) the name, address and telephone number of the applicant and, if different, any address to which correspondence relating to the application should be sent and, if the applicant is a body corporate, the address of its registered or principal office,</p> <p>(ii) The location or postal address (including, where appropriate, the name of the relevant townland or townlands) of the premises to which the activity relates,</p> <p>(iii) The name of the planning authority in whose functional area the activity is or will be carried on, and</p> <p>(iv) 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 b which it is controlled</p>	<b>B.1</b>	<input checked="" type="checkbox"/>
(b)	<p>give -</p> <p>(i) in the case of an established activity, the number of employees and other persons working or engaged in connection with the activity on the date after which a licence is required and during normal levels of operation, or</p> <p>(ii) in any other case, the gross capital cost of the activity to which the application relates,</p>	<b>B.5</b>	<input checked="" type="checkbox"/>

<b>Regulation 9(2)</b>		<b>Section in Application</b>	<b>Checked by Applicant ✓</b>
(c)	specify the relevant class or classes in the First Schedule to the Act to which the industrial emissions directive activity relates,	<b>B.3</b>	<input checked="" type="checkbox"/>
(d)	<p>In accordance with Section 87(1B)(a) of the EPA Acts of 1992 to 2013 in the case where an application for permission for the development comprising or for the purposes of the industrial emissions directive activity to which the application for the licence relates is currently under consideration by the planning authority concerned or An Bord Pleanála, a written confirmation from the planning authority or An Bord Pleanála, as appropriate, of that fact together with either:</p> <p>(i) a copy of the environmental impact statement, 2 hard copies and 2 electronic copies or in such form as may be specified by the Agency, that was required to be submitted with the application for planning permission, or</p> <p>(ii) a written confirmation from the planning authority or An Bord Pleanála that an environmental impact assessment is not required by or under the Act of 2000,</p>	<b>B.6</b>	<input checked="" type="checkbox"/>
(e)	<p>In accordance with section 87(1B)(b) of the EPA Acts of 1992 to 2013 in the case where permission for the development comprising or for the purposes of the industrial emissions directive activity to which the application for the licence relates has been granted, a copy of the grant of permission together with either:</p> <p>(i) a copy of the environmental impact statement, 2 hard copies and 2 electronic copies or in such form as may be specified by the Agency, that was required to be submitted with the application for permission, or</p> <p>(ii) a written confirmation from the planning authority or An Bord Pleanála that an environmental impact assessment was not required by or under the Act of 2000,</p>	<b>B.6</b>	<input checked="" type="checkbox"/>
(f)	specify the raw and ancillary materials, substances, preparations, fuels and energy which will be produced by or utilised in the activity,	<b>G</b>	<input checked="" type="checkbox"/>
(g)	describe the plant, methods, processes, ancillary processes, abatement, recovery and	<b>D</b>	<input checked="" type="checkbox"/>

<b>Regulation 9(2)</b>		<b>Section in Application</b>	<b>Checked by Applicant ✓</b>
	treatment systems, and operating procedures for the activity,		
(h)	indicate how the requirements of section 83(5)(a)(i) to (v) and (vii) to (xa) of the Act shall be met, having regard, where appropriate, to any relevant specification issued by the Agency under section 5(3)(b) of that Act or any applicable best available techniques (BAT) conclusions adopted in accordance with Article 13(5) of the Industrial Emissions Directive and the reasons for the selection of the arrangements proposed,	<b>L</b>	<input checked="" type="checkbox"/>
(i)	give particulars of the source, nature, composition, temperature, volume, level, rate, method of treatment and location of emissions, and the period or periods during which the emissions are, or are to be, made,	<b>E</b>	<input checked="" type="checkbox"/>
(j)	identify monitoring and sampling points and outline proposals for monitoring emissions and the environmental consequences of any such emissions,	<b>E</b>	<input checked="" type="checkbox"/>
(k)	provide: (i) details, and an assessment, of the impacts of any existing or proposed emissions on the environment as a whole, including on an environmental medium other than that or those into which the emissions are, or are to be, made, and (ii) details of the proposed measures to prevent or eliminate, or where that is not practicable, to limit, reduce or abate emissions,	<b>Environmental Impact Statement, Section 6 – separate bound document included with application</b>	<input checked="" type="checkbox"/>
(l)	describe in outline the main alternatives to the proposed technology, techniques and measures which were studied by the applicant,	<b>Environmental Impact Statement, Section 4 –</b>	<input checked="" type="checkbox"/>

<b>Regulation 9(2)</b>		<b>Section in Application</b>	<b>Checked by Applicant ✓</b>
		<b>separate bound document included with application</b>	
(m)	describe the condition of the site of the installation,	<b>Environmental Impact Statement, Section 5 – separate bound document included with application</b>	<input checked="" type="checkbox"/>
(n)	Provide, when requested by the Agency, in the case of an activity that involves the use, production or release of relevant hazardous substances (as defined in section 3 of the Act of 1992) and having regard to the possibility of soil and groundwater contamination at the site of the installation, a baseline report in accordance with section 86B of the Act of 1992,	<b>Appropriate Assessment Report – B.6</b>	<input checked="" type="checkbox"/>
(o)	specify the measures to be taken to comply with an environmental quality standard where such a standard requires stricter conditions to be attached to a licence than would otherwise be determined by reference to best available techniques,	<b>Environmental Impact Statement</b>	<input checked="" type="checkbox"/>
(p)	describe the measures to be taken for minimising pollution over long distances or in the territory of other states,	<b>Environmental Impact Statement, Section 6</b>	<input checked="" type="checkbox"/>
(q)	describe the measures to be taken under abnormal operating conditions, including start-up, shutdown, leaks, malfunctions, breakdowns and momentary stoppages,	<b>Environmental Impact</b>	<input checked="" type="checkbox"/>

<b>Regulation 9(2)</b>		<b>Section in Application</b>	<b>Checked by Applicant ✓</b>
		<b>Statement, Section 9</b>	
(r)	describe the measures to be taken on and following the permanent cessation of the activity or part of the activity to avoid any risk of environmental pollution and to return the site of the activity to a satisfactory state or the state established in the baseline report if such is required under section 86B of the Act of 1992,	<b>Environmental Impact Statement, Section 9</b>	<input checked="" type="checkbox"/>
(s)	describe the arrangements for the prevention of waste in accordance with Part III of the Act of 1996, and where waste is generated by the installation, how it will be in order of priority in accordance with section 21A the Act of 1996, prepared for re-use, recycling, recovery or where that is not technically or economically possible, disposed of in a manner which will prevent or minimise any impact on the environment,	<b>Environmental Impact Statement, Section 8.4</b>	<input checked="" type="checkbox"/>
(t)	specify, by reference to the relevant European Waste Catalogue codes as prescribed by Commission Decision 2000/532/EC of 3 May 2000, the quantity and nature of the waste or wastes produced or to be produced by the activity, or the quantity and nature of waste or waste accepted or to be accepted at the installation,	<b>A.1</b>	<input checked="" type="checkbox"/>
(u)	state whether the activity consists of, comprises, or is for the purposes of an establishment to which the European Communities (Control of Major Accident Hazards involving Dangerous Substances) Regulations, 2006(S.I. No. 74 of 2006) apply,	<b>n/a</b>	<input checked="" type="checkbox"/>
(v)	describe, in the case of an activity which gives rise, or could give rise, to an emission containing a hazardous substance which is discharged to an aquifer and is specified in the Annex to Council Directive 80/68/EEC of 17 December 1979 on the protection of groundwater against pollution caused by certain dangerous substances, the arrangements necessary to comply with said Council Directive,	<b>n/a</b>	<input checked="" type="checkbox"/>

<b>Regulation 9(2)</b>		<b>Section in Application</b>	<b>Checked by Applicant ✓</b>
(w)	include a non-technical summary of information provided in relation to the matters specified in subparagraphs (c) to (x) of this paragraph ,	<b>A.1</b>	<input checked="" type="checkbox"/>
(x)	include any other information required under Article 11 of the Industrial Emissions Directive.	<b>n/a</b>	<input checked="" type="checkbox"/>

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<b>Regulation 9(4)</b> An application for a licence shall be accompanied by -		<b>Section in Application</b>	<b>Checked by Applicant ✓</b>
(a)	a copy of the relevant page of the newspaper in which the notice in accordance with Regulation 5 has been published,	<b>B.9</b>	<input checked="" type="checkbox"/>
(b)	a copy of the text of the site notice erected or fixed on the land or structure in accordance with Regulation 6,	<b>B.9</b>	<input checked="" type="checkbox"/>
(c)	a copy of the notice given to the planning authority under section 87(1)(a) of the EPA Acts of 1992 to 2013,	<b>B.9</b>	<input checked="" type="checkbox"/>
(d)	a copy of such plans, including a site plan and location map, and such other particulars, reports and supporting documentation as are necessary to identify and describe -	<b>B.2</b>	<input checked="" type="checkbox"/>
	(i) the activity	<b>D</b>	<input checked="" type="checkbox"/>
	(ii) the position of the site notice in accordance with Regulation 6,	<b>B.9</b>	<input checked="" type="checkbox"/>
	(iii) the point or points from which emissions are made or are to be made, and	<b>E</b>	<input checked="" type="checkbox"/>

	(iv) monitoring and sampling points, and	<b>F</b>	<input checked="" type="checkbox"/>
(e)	a fee specified in accordance with section 99A of the EPA Acts of 1992 to 2013.	<b>Cheque enclosed</b>	<input checked="" type="checkbox"/>

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<b>Regulation 9(5)</b>		<b>Checked by Applicant ✓</b>
	A signed original and 1 hardcopy and 2 electronic copies of the application as required under paragraphs (1) and (2) or under paragraphs (1) and (3), where the application concerns a review of a licence, and the accompanying documents and particulars as required under paragraph (4) shall be submitted to the headquarters of the Agency. The 2 electronic copies of all application documentation and particulars must be in searchable PDF format on CD Rom.	<input checked="" type="checkbox"/>
	Hardcopies submitted.	<input checked="" type="checkbox"/>
	CD version submitted.	<input checked="" type="checkbox"/>

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