# **W** HARP REFRIGERANTS

Application to Environmental Protection Agency

# WASTE LICENCE

Unit 2, Whitestown Industrial Estate, Tallaght, Dublin 24

(Application Form and Attachments)





The Tecpro Building. Clonshaugh Business & Technology Park, Dublin 17, Ireland.

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RH/14/8133WML14 25 May 2017

Office of Climate Licensing and Resource Use, **Environmental Protection Agency**, PO Box 3000, Johnstown Castle Estate, Wexford

Dear Sir/Madam,

# any other use. APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A RE: WASTE LICENCE FOR HARP REFRIGERANTS TD.

Please find enclosed Waste Licence Application documents for the above referenced facility located at Unit 2, Whitestown Industrial Estate, Tallaght, Dublin 24.

Harp Refrigerants Limited (Harp) surrently have a Certificate of Registration (Register Reference No. COR-DS-15-0003(04) for the facility which was granted by South Dublin County Council and allows Happy to operate the facility for the temporary storage of waste refrigerants.

The following documents are enclosed:

- 1 no. original and 2 no. hardcopies of the Waste Licence Application Form and • Attachment Document;
- Drawings included in the Attachment Document; and
- 2 no. CD Rom's containing electronic copies of the documents in the required format; •

We hereby confirm that the content of the electronic files on the accompanying CD ROM's is a true copy of the original application form and attachments.

The required application fee of €10,000 has been paid by Electronic Funds Transfer to the bank account supplied by the Agency on 25 May 2017.



Cork Office Unit 5, ATS Building, Carrigaline Industrial Estate, Carrigaline, Co. Cork. T: + 353 21 438 7400 F: + 353 21 483 4606

AWN Consulting Limited Registered in Ireland No. 319812 Directors: F Callaghan, C Dilworth, T Donnelly, T Hayes, D Kelly, E Porter If you have any queries in relation to the information provided please do not hesitate to contact the undersigned.

Yours sincerely,

Harps

Cell

**ROBERT HUNT** Senior Environmental Consultant

DR. FERGAL CALLAGHAN Director

cc. Mr Bryan J. Davies, Harp Refrigerants Ltd.

Consent of copyright owner required for any other use.



The Tecpro Building, Clonshaugh Business & Technology Park, Dublin 17, Ireland.

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HARP REFRIGERANTS LIMITED

**UNIT 2, WHITESTOWN INDUSTRIAL ESTATE, TALLAGHT, DUBLIN 24.** 

## WASTE LICENCE **APPLICATION**

# (PART 1 – APPLICATION FORM)

Prepared For

### **Harp Refrigerants Limited**

Formspection purposes only any other use. First Floor, Wilton Park House, Wilton Place, Dublin 2.

Prepared By CON

Robert Hunt, Senior Environmental Consultant

Our Reference

RH/14/8133WMR02

Date of Issue

23 May 2017



Cork Office

Unit 5, ATS Building, Carrigaline Industrial Estate, Carrigaline, Co. Cork. T: + 353 21 438 7400 F: + 353 21 483 4606

AWN Consulting Limited Registered in Ireland No. 319812 Directors: F Callaghan, C Dilworth, T Donnelly, T Hayes, D Kelly, E Porter

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#### **Document History**

Document Reference		Original Issue Date	
RH/14/8133WMR02		23 May 2017	
Revision Level	Revision Date	Description	Sections Affected

#### **Record of Approval**

Details	Written by	Approved by
Signature	Poles Hand	olly, any other mass. Co
Name	Robert Hunt	Fergal Callaghan
Title	Senior Environmental Consultant	Director
Date	23 May 2017	23 May 2017
	Consent of construction	



WARNINGIF YOUR ACTIVITY FALLS UNDER THE INDUSTRIAL<br/>EMISSIONS DIRECTIVE 2010/75/EUDO NOT USE THIS APPLICATION FORM.PLEASE REFER TO THE ENVIRONMENTAL PROTECTON<br/>AGENCY (INDUSTRIAL EMISSIONS) (LICENSING)<br/>REGULATIONS 2013, S.I. 137 OF 2013<br/>ANDTHE EUROPEAN UNION (INDUSTRIAL EMISSIONS)

REGULATIONS 2013, S.I. 138 OF 2013. CONTACT THE ENVIRONMENTAL LICENSING PROGRAMME FOR FURTHER INFORMATION.

# Waste Licence Application Form

ELECTRONIC COPIES OF THE APPLICATION <u>MUST</u> BE SUBMITTED IN ACCORDANCE WITH THE "INSTRUCTIONS FOR LICENCE APPLICANTS" DOCUMENT AT THE LINK BELOW. FAILURE TO DO SO MAY RESULT IN A DELAY IN PROCESSING YOUR APPLICATION.

http://www.epa.ie/pubs/forms/lic/waste/epainstructionstolicenceapplicants.html

**EPA Ref. Nº:** (Office use only)

This document does not purport to be and should not be considered a legal interpretation of the provisions and requirements of the Waste Management Act 1996 as amended.

Environmental Protection Agency P.O.Box 5000, Johnstown Castle Estate, County Wexford Telephone: 053-9160600 Fax: 053-9160699



# **Tracking Amendments to Application Form**

Version No.	Date	Amendment since previous version	Reason
V.1	04/09/2012	Amended various sections to take account of the requirements of the European Communities (Waste Directive) Regulations 2011.	To accurately reflect the new requirements in the Regulations which transpose the Waste Framework Directive 2008/98/EC.
V.1	04/09/2012	Amended Section E.5 Noise Emissions, I.7 Noise Impact, Table E.5.(i) and Table I.7.(i) to take account of the document Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4) (2012).	To accurately reflect the changes in the document Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4) (2012).
V.1	04/09/2012	Amended Section B.3 to take account of the requirements of European Union (Environmental Impact Assessment) (Waste) Regulations 2012 (SI No 283 of 2012); in terms of Environmental Impact Assessment under the Environmental Impact Assessment Directive (Council Directive 2011/92/EU on the assessment of the effects of certain public and private projects on the environment). Update references to new legislation	To accurately reflect the European Union (Environmental Impact Assessment) (Waste) Regulations 2012 (SI No 283 of 2012) requirements.
			To reflect changes in legislation
V.2	June 2015	Amendments to Section A	To require summary table of impacts in Non- Technical summary
		Amendments to Section B.3	Additional requirements in relation to planning



WASTE Application Form Version 2.1 April 2017

			history and the submission of EISs.
		New Section B.9	Additional information required in relation to waste storage and closure costs.
V.2.1	April 2017	Amendment to Introduction	Wording re submitting confidential information amended.

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WASTE Application Form

## Environmental Protection Agency Application for a Waste Licence

WASTE MANAGEMENT ACT 1996 as amended

#### CONTENTS

INTRODUCT	ION	5
CHECKLIST		6
PROCEDURE	S	12
SECTION A	NON-TECHNICAL SUMMARY	14
SECTION B	GENERAL	15
SECTION C	MANAGEMENT OF THE FACILITY offer use infrastructure & OPERATION	29
SECTION D	INFRASTRUCTURE & OPERATION	31
SECTION E	EMISSIONS	36
SECTION F	CONTROL & MONIFORING	38
SECTION G	RESOURCES USE & ENERGY EFFICIENCY	41
SECTION H	MATERIALS HANDLING	42
SECTION I	EXISTING ENVIRONMENT & IMPACT OF THE FACILITY	46
SECTION J	ACCIDENT PREVENTION & EMERGENCY RESPONSE	49
SECTION K	REMEDIATION, DECOMMISSIONING, RESTORATION AND AFTERCARE	50
SECTION L	STATUTORY REQUIREMENTS	51
SECTION M	DECLARATION	53

ANNEX 1: STANDARD FORMS

Page 4



#### INTRODUCTION

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

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

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

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

While all sections in the application form may bet be relevant to the activity concerned, the applicant should look carefully through all aspects of the form and provide the required information, in the greatest possible detail.

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

Information supplied in this application, including supporting documentation will be put on public display and open to inspection by any person. Should the applicant consider information to be *confidential*, one copy of this information should be submitted in a separate enclosure marked **confidential** and accompanied by a cover letter clearly stating why it should be considered confidential.

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



#### CHECKLIST

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

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

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

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

0.0

LOCATION	Application	Forn	n – B.1 "	S.	
CHECKED	Applicant	X	att'any or	Official	
		20	ortor		

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

LOCATION	Application Form – B.3	
CHECKED	Applicant X	Official

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

LOCATION	Not Applicable	
CHECKED	Applicant X	Official

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

LOCATION	Application Form – B.2	
CHECKED	Applicant X	Official

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



LOCATION	Application Form – D.1	
CHECKED	Applicant X	Official

(f) specify the class or classes of activity concerned, in accordance with the Third and Fourth Schedules of the Act<sup>1</sup> and in the case of an application in respect of the landfill of waste, specify the class of landfill in accordance with Article 4 of the Landfill Directive,

LOCATION	Application Form – B.7	
CHECKED	Applicant X	Official

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

LOCATION	Application Form – H.1	
CHECKED	Applicant X	Official

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

LOCATION	Attachment 6.1	
CHECKED	Applicant X	Official
	AN 180	

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

LOCATION	Attachment H.2 and H.3	
CHECKED	Applicant X	Official

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

LOCATION	Application Form L.1	
CHECKED	Applicant X	Official

<sup>&</sup>lt;sup>1</sup> Note that the Third and Fourth Schedules of the Act were amended by the European Communities (Waste Directive) Regulations, 2011.



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

LOCATION	Application Form – E.1 to E.5	
CHECKED	Applicant X	Official

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

LOCATION	Attachments F & I	
CHECKED	Applicant X	Official

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

LOCATION	Not Applicable	
CHECKED	Applicant <sup>with</sup> X	Official

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

.003. rel

LOCATION	Attachment H.5	
CHECKED	Applicant X	Official

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

LOCATION	Attachment H.4	
CHECKED	Applicant X	Official

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

LOCATION	Attachment J	
CHECKED	Applicant X	Official



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

LOCATION	Attachment K	
CHECKED	Applicant X	Official

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

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

LOCATION	Not Applicable	
CHECKED	Applicant X	Official

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

50'rot

LOCATION	Not Applicable	
CHECKED	Applicant	Official
	Se off	

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

LOCATION	Application Form – B8	
CHECKED	Applicant X	Official

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

LOCATION	Not Applicable	
CHECKED	Applicant X	Official



(t bis) describe in outline the main alternatives, if any, to the proposals contained in the application which were studied by the applicant,

LOCATION	Attachment D.2	
CHECKED	Applicant X	Official

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

LOCATION	Attachment A	
CHECKED	Applicant X	Official

(v) describe how the waste hierarchy in section 21A of the Act is applied.

LOCATION	Attachment H.5/L.3	
CHECKED	Applicant X	Official
		je.

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

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

LOCATION	Attachment B.6	
CHECKED	Applicant X	Official
	COL	

~

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

LOCATION	Attachment B.6	
CHECKED	Applicant X	Official

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

LOCATION	Attachment B.6	
CHECKED	Applicant X	Official

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



LOCATION	Attachment B.2 – Figure B2.2	
CHECKED	Applicant X	Official

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

LOCATION	Not Applicable	
CHECKED	Applicant X	Official

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

LOCATION	Not Applicable	
CHECKED	Applicant X	Official

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

		4	
INCLUDED Y/N	Y	offic	
CHECKED	Applicant	X only any	Official
		~~~ x ~	

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

	Y OF				
HARDCOPIES PROVIDED		Y			
Y/N	ente				
CHECKED	Colla	Applicant	X	Official	

CD OF PDF FILES PROVIDED? Y/N	Y			
CHECKED	Applicant	X	Official	

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

EIA REQUIRED ? Y/N	Ν	
CHECKED	Applicant X	Official
3 HARD COPIES OF EIS INCLUDED ? Y/N	Not Applicable	
CHECKED	Applicant X	Official
16 CD versions of EIS, as PDF files, PROVIDED? Y/N	Not Applicable	

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WASTE Application Form

CHECKED Applicant X Official

#### PROCEDURES

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

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

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

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

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

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

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

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



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

Applicants should be aware that a contravention of the conditions of a waste licence is an offence under Section 39 of the Waste Management Act 1996, as amended.

The provision of information in an application for a waste licence which is false or misleading is an offence under Section 45 of the Waste Management Act 1996, as amended.

Note: <u>Drawings</u>. The following guidelines are included to assist applicants:

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

The provision of information in an application for a waste licence, which is false or misleading, is an offence under Section 45 of the Acts. epa

WASTE Application Form

#### SECTION A NON-TECHNICAL SUMMARY

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

Where an EIS is submitted as part of the licence application, summarise the likely significant effects of the activity in the following format:

Environmental Factor	Likely effects identified	Brief description of effect	Mitigation measures proposed to control effect
Human Beings			
Flora and fauna			
Soil		<sub>د</sub> ي.	
Water		MY 21N MET IS	
Air	6	Provine for all	
Climate	inspiron	5	
Landscape	Foropyte		
Material Assets	Collec		
Cultural Heritage			

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



#### SECTION B GENERAL

#### **B.1** Applicant's Details

Name*:	Harp Refrigerants Limited
Address:	Unit 2
	Whitestown Industrial Estate
	Tallaght
	Dublin 24
Tel:	01 451 4062
Fax:	01 451 4060
e-mail:	bjdavies@harpintl.com

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

#### Name and Address for Correspondence

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

Name:	Robert Hunt
Address:	AWN Consulting Limited
	Tecpro Building
	Clonshaugh Business & Technology Park
	Dublin 17
Tel:	01 847 4220 got the
Fax:	01 847 4257
e-mail:	Robert.hunt@awnconsulting.com
	Cor

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

Address:	Harp Refrigerants Limited
	First Floor
	Wilton Park House, Wilton Place
	Dublin 2
Tel:	01 451 4062
Fax:	01 451 4060
e-mail:	bjdavies@harpintl.com

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

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



Has an Article 11 request been submitted previously in relation to this site?

Yes X No

If yes, please provide the Article 11 request number:- 2026

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

Landowner	
Lessee	Х
<b>Prospective Purchaser</b>	
Other (please specify)	

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

Name:	Same As Applicant	<i>Q</i> 1 <sup>•</sup>
Address:		and the
		with my office
		- off of all
		AD SECTO
Tel:		an Pureau
Fax:		ection of the second se
e-mail:		A THE THE
		to all

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

Name:	Francis Corr (Current Owner of the land. Land and Buildings leased to Harp. Francis Corr will not occupy any part of the land)
Address:	22 Newpark
	Leixlip
	Co. Kildare
Tel:	086 245 2458
Fax:	Not Applicable
e-mail:	frankcorr@email.com

\*Current at the time the application is submitted

Please refer to Attachment B1 for ownership details.



#### WASTE Application Form

Primary Contact details for <u>enforcement purposes</u> where licence is granted. PLEASE NOTE THIS CONTACT <u>CANNOT</u> BE A CONSULTANT. ALSO IT MUST <u>NOT</u> BE A PERSON WHO IS ALREADY A REGISTERED EDEN CONTACT FOR ANY OTHER LICENCE ISSUED BY THE AGENCY.

*mandatory fie	manuatory neius					
*Name:	Bryan J. Davies					
Position in	Managing Director					
organisation:						
Tel:	01 451 4062					
*e-mail:	bjdavies@harpintl.com					

#### **B.2** Location of Activity

Name:	Harp Refrigerants Limited		
Address*:	Unit 2, Whitestown Road,		
	Whitestown Industrial Estate,		
	Tallaght,		
	Dublin 24, D24 K037		
Tel:	01 451 4062		
Fax:	01 451 4060		
e-mail:	bjdavies@harpintl.com	, 15 <sup>0</sup> .	
* Include any	townland	any any other	
-		ally any	

<sup>•</sup> Include any townland	Section PHPOSES ONLY any oth
National Grid Reference (8 digit 4E,4N)	Irish Transverse Mercator (ITM) - 708140E, 726890N (Note: ITM is the geographic coordinate system for Oreland. All maps provided with this application
	show the ITM grid lines)

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.

# 

WASTE Application Form

#### **B.3**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.

Name:	South Dublin County Council			
Address:	County Hall			
	Tallaght			
	Dublin 24			
Tel:	01 414 9000			
Fax:	Not Applicable			

Considering the <u>entire</u> site to which the activity relates, has planning permission <u>ever been required</u> for the site? (Tick No or Yes in the table)

		See Section <b>B.6(a)</b> below
No		<b>NOTE:</b> For <b>Agency initiated reviews</b> , you can disregard the instructions in B.6(a) and progress to Section B.7.
Yes		See <u>all</u> of Sections <b>B.6(b)</b> to (f) below. Please note that all structures comprising or for the purposes of the activity must be accounted for in the tables in sections below $B.6(c)$ to $B.6(f)$ below.
	~	<b>NOTE:</b> For <b>Agency initiated reviews</b> , you only need to <u>complete the</u> <u>tables</u> in Sections B.6(c), B.6(d) and B.6(e) below. You <b>DO NOT</b> need to submit an EIS or the letters on confirmation referred to below.

If this is a licence review application, was planning permission required for the changes proposed as part of this review application? (Tick No or Yes in the table) Not Applicable

No	Provide confirmation in writing from the planning authority or An Bord Pleanála that this is the case.			
Yes	Planning Ref No:			

#### B.6 (a) Where planning has never been required

Does this application relate to a site where planning permission has <u>never</u> been		Yes
required?	<b>~</b>	No
Letter of confirmation from Planning Authority or An Bord Pleanála included.	~	Yes

Where the activity which is the subject of this licence/review application has never required a grant of planning permission previously, **Attachment**  $N^{\circ}$  **B.6** must include a confirmation in writing from the planning authority or An Bord Pleanála, as the case may be, that the activity does not involve development or that the activity constitutes development but is exempted development.



#### WASTE Application Form

#### **B.6 (b) Environmental Impact Statements**

In the following table, indicate the option which applies to your application and provide the information requested accordingly.

No.	Option	
<u>1(a)</u>	Is this a new licence application OR review application where the last licence (excluding reviews initiated by the EPA) was determined <b>before</b> 30 <sup>th</sup> September 2012?	Applicable? Yes
<u>1(b)</u>	If yes, provide the following: Where planning permission has been/is required for the site of the activity, <b>you must submit the most recent EIS associated with</b> <b>a planning application or planning permission for the site of</b> <b>the activity.</b> Where planning is granted, the planning decision and planners report associated with the EIS should <u>also</u> be submitted.	Documents Provided ? Not Applicable
<u>2(a)</u>	Is this a review application where the last licence (excluding reviews initiated by the EPA) was determined <b>after</b> 30 <sup>th</sup> September 2012?	Applicable? No
<u>2(b)</u>	If yes, provide the following: For the follow	Documents Provided ? Not Applicable
<u>3(a)</u>	Does this application relate to a site where an EIS has never been required at planning stage ?	Applicable? Yes
<u>3(b)</u>	If yes, you must provide confirmation in writing from the planning authority or An Bord Pleanála that an environmental impact assessment was not required by or under the Planning and Development Act 2000, as amended for <u>each</u> of the planning permissions associated with the site of the activity. This information should be included in Attachment $\mathbb{N}^{\circ}$ B.6.	Documents Provided ? Yes

# epa

WASTE Application Form

#### **B.6 (c) Planning under Consideration** Not Applicable

Where there is currently a planning application under consideration with a Planning Authority or An Bord Pleanala for any aspect of the site to which this licence application relates:

- 1. Provide 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.
- 2. Complete the <u>Planning under Consideration Table</u> below, indicating whether an Environmental Impact Statement (EIS) is required by the Planning Authority/An Bord Pleanala as part of that application.
- 3. Where an EIS is not required by the Planning Authority/An Bord Pleanala for a planning application, you must provide 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 in <u>each</u> case. This information should be included in Attachment № B.6.

#### **Planning under Consideration Table:**

Planning or Appeal Reference Number	Planning Authority (PA)/An Bord Pleanala (ABP)	Date of application	Brief description	Letter of confirmation from PA/ABP that application is under consideration?	EIS required with Planning Application? (Yes/No)	If "no", letter of confirmation from PA/ABP that EIA is not required?
			65 011 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
			pupotinoo			
			itSetioner			

**Note:** Please be advised that in accordance with Section 42(1D)(d) of the Waste Management Act 1996, as amended, a Proposed Determination **cannot** assue on a licence application while a planning application (for a development comprising or for the purposes of an activity to which the licence application relates and for which EIA is required) is under consideration with a planning authority or An Bord Pleanala.

#### **B.6 (d) Planning Granted**

Where planning permissions have been granted for the site of the activity:

- 1. List all of the permissions relating to the site in the <u>Planning Granted Table</u> below and indicate whether an EIS was required by the Planning Authority/An Bord Pleanala as part of that permission. Submit the planners report and final decision for each permission granted that was associated with an EIS.
- 2. Where an EIS was not required by the Planning Authority/An Bord Pleanala for a planning permission, you must provide confirmation in writing from the planning authority or An Bord Pleanála that an environmental impact assessment was not required by or under the Planning and Development Act 2000 for <u>each</u> planning permission granted. This information should be included in Attachment № B.6.



#### **Planning Granted Table:**

Planning or Appeal Reference Number	Planning Authority/An Bord Pleanala	Date of Planning Decision (Final)	Brief description	EIS required with Planning Application? (Yes/No)	If "no", Letter of confirmation from planning authority/An Bord Pleanala that EIA was not required?
89A/2304	Dublin County Council	06/04/1990	Retain extension	No	Attachment B3
R.A 739	Dublin County Council	13/07/1978	Workshop and offices	No	Attachment B3

**Note:** Please be advised that where planning permission has been granted or a planning application is under consideration, and in accordance with Section 42(1C) of the Waste Management Act 1996, as amended, the Agency shall <u>refuse to consider</u> the licence application if the applicant does not comply with the requirements of Section 42(1B) of the Waste Management Act 1996, as amended.

#### B.6 (e) Exempted Developments and structures/modifications not regarded as "development".

Where <u>any</u> structure or modification on site has been determined by the planning authority or An Bord Pleanála to be "exempted development" or is considered <u>not</u> to be development, provide confirmation in writing from the relevant authority. List all of the structures/modifications considered to be "exempted development" or to not involve development in the table below.

Planning Authority/An Bord Pleanala	Date of letter from PA/ABP confirming their determination	Brief description of structure/modification	Tick if exempted development	Tick if considered not to be development
South Dublin County Council	28/10/16	Deliveries/collections of waste products to the facility. Request to the Council to confirm that the carrying out of the waste activities as proposed is exempt development.	✓	

#### Exempted Development/No Development

#### **B.6 (f) Other Consents Granted** Not Applicable

List <u>all</u> consents (**other than planning permissions**) issued by any relevant competent authority (other than the planning authority/An Bord Pleanala) for the development relating to this application <u>which</u> required EIA to be carried out as part of the consent process e.g. a foreshore licence. These EISs are **not** required to be submitted with the licence application at this point.

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WASTE Application Form

Consent Reference Number	Competent Authority	Date of Grant of Consent	Brief description	EIS required with Consent Application?

#### Licences and permits

For existing activities, Attachment  $N^{\circ}$  B.3 should also contain a table of references to all licences and permits past and presently in force at the time of submission of this application.

Licence/Permit reference number	Brief Description	Date granted	Currently in force? (Yes/No)
COR-DS-15-0003-04	Temporary storage of deposits of reclaimed waste refrigerants	5 February 2016	Yes
WFP-DS-09-0008-04	Storage facility of waste refrigerant gas and WEEE transfer	22 December 2014	No
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#### WASTE Application Form

#### 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  $N^{\circ}$  B.3.

#### **B.4** Sanitary Authority

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

Name:	Not Applicable – domestic sewage and storm water only.					
Address:						
	. V <sup>SC</sup>					
Tel:	other					
Fax:	ally any					
	er a for					

The applicant must enclose, as **Attachment B.4**, a copy of any effluent discharge licence and/or agreement between the applicant and the body with responsibility for the sewer. Not Applicable

#### **B.5** Other Authorities

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

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Name:	Dublin South West Local Health Office				
Address:	Old Country Road Health Centre,				
	Crumlin,				
	Dublin 12				
Tel:	01 415 4700				
Fax:	Not Applicable				

#### **B.6** Notices and Advertisements

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

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



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

**B.7.1** Specify the class or classes of activity in Table B.7.1, in accordance with the Third Schedule or Fourth Schedule to the Waste Management Acts 1996 to 2010, as amended by the European Communities (Waste Directive) Regulations, 2011, to which the application relates (check the relevant box(es) and mark the principal activity with a 'P').

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

# TABLE B.7.1 THIRD AND FOURTH SCHEDULES OF THE WASTE MANAGEMENT ACT1996, AS AMENDED.

	Waste Management Act 1996, as amended.					
Third Schedule		Y/N	Fourth Schedule			
	Waste Disposal Operations	1711	Waste Recovery Operations	Y/N		
D 1	Deposit into or on to land (e.g. including landfill, etc.).	N	R 1 Use principally as a fuel or other means to generate energy: This includes incineration facilities dedicated to the processing of municipal solid waste	Ν		
D 2	Land treatment (e.g. biodegradation of liquid or sludgy discards in soils, etc.).	N	R 2 Solvent reclamation/regeneration.	Ν		
D 3	Deep injection (e.g. injection of pumpable discards into wells, salt domes or naturally occurring repositories, etc.).	N	R 3 Recycling /reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes), which	Р		



## WASTE Application Form

				includes gasification and pyrolisis using the components as chemicals.	
D 4	Surface impoundment (e.g. placement of liquid or sludgy discards into pits, ponds or lagoons, etc.).	N	R 4	Recycling/reclamation of metals and metal compounds.	Ν
D 5	Specially engineered landfill (e.g. placement into lined discrete cells which are capped and isolated from one another and the environment, etc.).	N	R 5	Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials.	Ν
D 6	Release into a water body except seas/oceans.	Ν	R 6	Regeneration of acids or bases.	Ν
D 7	Release to seas/oceans including sea-bed insertion.	Ν	R 7	Recovery of components used for pollution abatement.	Ν
D 8	Biological treatment not specified elsewhere in this Schedule which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12.	N	R 8	Recovery of components from catalysts.	Ν
D 9	Physico-chemical treatment not specified elsewhere in this Schedule which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12 (e.g. evaporation, drying, calcinations, etc.).	N	R 9	Oil re-refining or other reuses of oil.	N
D 10	Incineration on land.	N	R 10	Land treatment resulting in benefit to agriculture or ecological improvement.	N
D 11	Incineration at sea (this operation is prohibited by EU legislation and international conventions).	N		Use of waste obtained from any of the operations numbered R 1 to R 10.	Ν
D 12	Incineration at sea (this operation is prohibited by EU legislation and international conventions). Permanent storage (e.g. emplacement of containers in a mine, etc).	N	<sup>*</sup> R 12	Exchange of waste for submission to any of the operations numbered R 1 to R 11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre- processing such as, amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of the operations numbered R1 to R11).	Y
D 13	Blending or mixing prior to submission to any of the operations numbered D 1 to D 12 (if there is no other D code appropriate, this can include preliminary operations prior to disposal including pre-processing such as, amongst others, sorting, crushing, compacting, pelletising, drying, shredding, conditioning or separating prior to submission to any of the operations numbered D1 to D12).	N	R 13	Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced).	Y
D 14	Repackaging prior to submission to any of the operations numbered D 1 to D 13.	N			
D 15	Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced).	N			



#### TABLE B.7.2 MAXIMUM ANNUAL TONNAGE

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

Maximum Annual Tonnage (tpa)	516
Year	2020

#### **B.7.3 FEES**

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

Waste Activity	Fee (in €)
Disposal of Waste (appropriate disposal activity $1.1 - 3.3$ )	Not Applicable
Recovery of Waste (4)	€10,000

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

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

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

Not Applicable

#### TABLE B.7.5 (FOR A LANDFILL APPLICATION)

#### Not Applicable

In accordance with the requirements of Article 9(b) of the Landfill Directive, state the total quantity of waste for which authorisation is sought to be deposited in the landfill – complete the following table:

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



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

#### **B.8 SEVESO II DIRECTIVE**

State whether the installation is an establishment to which the Chemicals Act (Control of Major Accident Hazards Involving Dangerous Substances) Regulations 2015 apply.

<b>Regulations Apply</b>	Yes	No X

If yes, Attachment B.8 should include the relevant details. Supporting information, as well as copies of any Hazardous Operation Studies (HAZOP) carried out for the site, should also be included in the attachment.

#### **B.9 Waste Storage and Closure Costs**

State the maximum amount of waste that will be held or stored at the installation at any one time. This should include waste in:

- reception, inspection and quarantine areas, 2114
- storage pending treatment, \_
- \_
- storage after treatment, and vessels, chambers or tanks during treatment or processing. \_

State the cost of disposing of waste (including treated waste) held, in storage or in process at the installation. Do not provide the recovery/recycling cost and do not assume that the waste will have a positive monetary value (it may have degraded in the period before removal from the closed facility).

Complete the following table (consistently using either tonnes or cubic metres as your unit of measurement for all entries):

Location of waste	Tonnes	Cubic metres	Unit cost (per tonne or m <sup>3</sup> ) for - removal AND - disposal in case of sudden closure	Disposal route and/or technique	Notes, rationale, clarifications
Holding areas	10	-	€55/tonne for removal €1,250/tonne for disposal	Transfer to Harp International Ltd. in the UK by road and sea for recovery or disposal as appropriate.	10 tonne is the maximum amount that can be accommodated on a single truck load.

## WASTE Application Form

Quarantine areas	1	-	€55/tonne for removal €1,250/tonne for disposal	Return to customer or collection by authorised waste contractor.	Unlikely for non-permitted waste types to be accepted. Cylinders/drums have specific valve fittings dependent on gas type inside which is easily identifiable.
Inspection areas	0	I	-	Transfer to Harp International Ltd. in the UK by road and sea for recovery or disposal as appropriate.	Same quantity as in Waste Holding Area. Waste from holding area transferred here following delivery to be logged and recorded.
Storage areas (untreated waste)	24	- For	Waste Gas - €55%tonne for ise noval and ise 19250/tonne for disposal	Transfer to Harp International Ltd. in the UK by road and sea for recovery or disposal as appropriate.	-
Storage areas (treated waste)	15	Cott	€55/tonne for removal	Treated waste is reclaimed refrigerant gas product.	Cost allocated for transport to customers but no cost required for disposal.
Treatment chambers, vessels and tanks	-	-	-	-	-
Other (add rows as necessary)	4	-	Waste oil/cooling fluid - €665/tonne (includes removal and disposal)	Collection by suitably permitted waste contractor	-
Total	50	-	-	-	-

\* add rows to the table as necessary



#### SECTION C MANAGEMENT OF THE FACILITY

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

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

This information should form Attachment C 1.

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

Name	Position	Duties and Responsibilities	Experience /Qualifications	
Bryan J. Davies	Managing Director	Company Director and overall responsibility for operations of Harp Refrigerants Ltd.	Managing Director of Harp International Ltd. for 12 years.	
Noel J. Williams	×	Management of Harp Refrigerants Ltel. facility in Whitestown sindustrial Estate. Responsibility for equipment control and environmental control and environmental	Operations Director at existing Harp International Ltd. facility in Wales for 12 years. He has completed a Waste Management Industry Training and Advisory Board (WAMITAB) qualification in <i>'Treatment and Transfer</i> of Hazardous Waste'.	
Caroline J. Harries	Çon <sup>serv</sup> QA/QC	Quality Control	Employed in QA/QC at Harp International Ltd. for 12 years. She has completed a Waste Management Industry Training and Advisory Board (WAMITAB) qualification in <i>'Treatment of Hazardous</i> <i>Waste'</i> . Caroline has also completed a <i>'ISO9001:2015</i> <i>Auditor Transition Training</i> <i>Course'</i> .	
John Flynn	Deputy Facility Manager	Site management, logging waste and 24 hour availability in case of an emergency at the facility.	F-Gas training, Forklift licence	



#### C.2 Environmental Management System

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

#### C.3 Hours of Operation

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

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

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#### SECTION D INFRASTRUCTURE & OPERATION

#### D.1 Infrastructure

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

Table D.1. Infrastructure		y/n	Comments
<b>D.1.</b> a	Site security arrangements including gates and fencing	Y	Attachment D.1
D.1.b	Designs for site roads	N	Not Applicable
D.1.c	Design of hard-standing areas	Y	Attachment D.1
D.1.d	Plant	Y	Attachment D.1
D.1.e	Wheel-wash	N	Not Applicable
D.1.f	Laboratory facilities	N	Not Applicable
<b>D.1.</b> g	Design and location of fuel storage areas     Use       Waste quarantine areas     Use       Waste inspection areas     Use	Y	Attachment D.1
D.1.h	Waste quarantine areas	Y	Attachment D.1
D.1.i		Y	Attachment D.1
D.1.j	Traffic control	Y	Attachment D.1
<b>D.1.</b> k	Sewerage and surface water drainage infrastructure	Y	Attachment D.1
D.1.l	All other services	Y	Attachment D.1
D.1.m	Plant sheds, garages and equipment compound	Y	Attachment D.1
D.1.n	Site accommodation Contraction	Y	Attachment D.1
<b>D.1.</b> 0	A fire control system, including water supply	Y	Attachment D.1
D.1.p	Civic amenity facilities	N	Not Applicable
<b>D.1.</b> q	Any other waste recovery infrastructure	N	Not Applicable
<b>D.1.</b> r	Composting infrastructure	N	Not Applicable
<b>D.1.</b> s	Construction and Demolition waste infrastructure	N	Not Applicable
D.1.t	Incineration infrastructure (if applicable). Provide information to fulfil Article 4 (2) & (3) of the Incineration of Waste Directive	Ν	Not Applicable
D.1.u	Any other infrastructure	N	Not Applicable



#### D.2 Facility Operation

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

The requirements of article 12(1)(t bis) of the Licensing Regulations should be addressed in **Attachment D.2** by outlining the main alternatives to the proposals contained in the application which were studied by the applicant.

Attachment included	yes X	no	not applicable	

#### LANDFILLS Not Applicable

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

#### D.3 Liner System

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

#### TABLE D.3 LINER SYSTEM

	, 5 <sup>-001</sup>	y/n	Comments
D.3.a	Provide information to fulfil Annex 1 of the Landfill Directive	Ν	Not applicable
D.3.b	What type of liner system is specified?	Ν	Not applicable
D.3.c	Has a Quality Control Plan been specified?	Ν	Not applicable
D.3.d	Has a Quality Assurance Plan been specified?	Ν	Not applicable
D.3.e	Has independent, third-party supervision, testing and controls been specified?	Ν	Not applicable
D.3.f	Have basal gradients for all cells and access ramps to the cells been designed?	Ν	Not applicable
D.3.g	Has a leak detection survey been specified?	Ν	Not applicable



#### D.4 Leachate Management

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

		y/n	Comments
D.4.a	Is there a Leachate Management Plan?	Ν	Not applicable
D.4.b	Have annual quantities of leachate been calculated?	Ν	Not applicable
D.4.c	Has the total quantity of leachate been calculated?	Ν	Not applicable
D.4.d	Has the size of the cells been specified taking account of the water balance calculations?	N	Not applicable
D.4.e	Has a leachate collection system been specified?	Ν	Not applicable
D.4.f	Has a leachate storage system been specified?	Ν	Not applicable
D.4.g	Has a system for monitoring the level of leachate in the waste been designed?	N	Not applicable
D.4.h	Is leachate recirculation proposed/practised?	Ν	Not applicable
D.4.i	Has leachate treatment on site been specified?	N	Not applicable
D.4.j	Has leachate removal been specified?	N	Not applicable
D.4.j	Has leachate removal been specified?	N	]

#### TABLE D.4.1 LEACHATE MANAGEMENT ARRANGEMENTS

#### D 5 Landfill Gas Management

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



#### Table D.5. Landfill Gas Management

	. Landrin Gas Management	y/n	Comments
D.5a	Is there a Landfill Gas Management Plan? Provide estimates of the volumes of landfill gas which will be produced by the waste disposed of in the site for the next 20 years, and compare to the EPER list for methane:	N	Not applicable
D.5b	Is there a passive venting system?	N	Not applicable
D.5c	Does the passive system cover all of the filled area?	N	Not applicable
D.5d	Have gas alarm systems been installed in the site buildings?	N	Not applicable
D.5e	Have measures been installed to prevent landfill gas migration (e.g. barriers)?	other	Not applicable
D.5f	Has a time-scale been proposed for the installation of landfill gas infrastructure?	N	Not applicable
D.5g	Is gas flaring undertaken at the site?	Ν	Not applicable
D.5h	Is there an active (i.e., pumped) landfill gas extraction system?	N	Not applicable
D.5i	Does the active system cover all of the filled area?	N	Not applicable
D.5j	Is landfill gas used to generate energy at the site?	N	Not applicable
D.5k	Have emissions from the flarestack and utilisation plant been assessed for source, composition, quantity and level and rate?	N	Not applicable
D.51	Has a maintenance programme for the control system been specified?	N	Not applicable
D.5m	Has a condensate removal system been designed?	N	Not applicable



#### D.6 Capping System

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

#### Table D.6 Capping System

		y/n	Comments
D.6a	Has the daily cover been specified?	N	Not applicable
<b>D.6</b> b	Has the intermediate cover been specified?	Ν	Not applicable
D.6c	Has the temporary capping been specified?	Ν	Not applicable
D.6d	Has the Capping System been designed and does it meet the requirements of the Landfill Directive Annex 1 (3.3)?	N VS <sup>E</sup> .	Not applicable
D.6e	Does the Capping System include a flexible membrane liner?	N	Not applicable
D.6f	Have all capping materials been specified?	Ν	Not applicable
D.6g	Has a Method Statement for construction been produced?	N	Not applicable
D.6h	Has a Quality Control Plan been produced?	Ν	Not applicable
D.6i	Has a Quality Assurance Plan been produced?	N	Not applicable
D.6j	Has a programme for monitoring landfill stability been developed?	N	Not applicable
D.6k	Has a programme for monitoring landfill settlement been developed?	N	Not applicable



#### **SECTION E EMISSIONS**

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

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

#### E.1 Emissions to Atmosphere

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

#### E.2 Emissions to Surface Waters

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

#### E.3 Emissions to Sewer

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

#### E.4 Emissions to Groundwater

Describe the existing or proposed arrangements necessary to give effect to Articles 3, 4, 5, 6, and 7 of Council Directive 80/68/EEC of 17 December 1979 on the protection of groundwater against pollution by certain dangerous substances and the European Communities Environmental Objectives (Groundwater) Regulations 2010 (S.I. No. 9 of 2010.

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

Supporting information should form Attachment E.4

#### E.5 Noise Emissions

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

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

Supporting information should form Attachment E.5

The Agency's *Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4)* (2012) should be consulted (available on <u>www.epa.ie</u>) where a noise impact assessment is required. <u>A planned</u> 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 Environmental Nuisances

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

Bird Control	Control method specified	yes	no	not applicable X
	Attachment included	yes	no	not applicable X
Dust Control	Control method specified	yes X	no	not applicable
	Attachment included	yes 💉	no	not applicable X
Fire Control	Control method specified	sonition any put	no	not applicable
	Attachment included	fred yes X	no	not applicable
Litter Control	Control method specified specified	yes X	no	not applicable
	Attachment included	yes	no	not applicable X
Traffic Control	Control method specified	yes X	no	not applicable
	Attachment included	yes	no	not applicable X
Vermin Control	Control method specified	yes X	no	not applicable
	Attachment included	yes	no	not applicable X
Road Cleansing	Control method specified	yes X	no	not applicable
	Attachment included	yes	no	not applicable X

#### TABLE E.6 ENVIRONMENTAL NUISANCES



#### SECTION F CONTROL & MONITORING

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

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

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

Attachment F.1 should contain any supporting information.

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

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

Include details of monitoring/sampling locations and methods. tor here where

#### F.2 Air

#### - to include Dust, Odour

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

#### F.3 Surface Water

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

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



#### F.4 Sewer Discharge

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

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

#### F.5 Groundwater

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

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

#### F.6 Noise

F.6 Noise		other use.
Monitoring Arrangements specified	yes ontono	not applicable X
Monitoring points identified, (plus 12-figure grid references)	yes no	not applicable X
Attachment included	yes no	not applicable X
F.7 Meteorological Data	-	

#### F.7 Meteorological Data

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

An application for landfill requires the additional Attachments F.7 to F.8, to be completed:

#### F.8 Leachate

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



#### F.9 Landfill Gas Not Applicable

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

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

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

#### Table F.9(b) Landfill Gas Monitoring

Trydrogen Fluoride					
			offic		
Table F.9(b) Landfill G	as Monitoring	r M	9. 203		
Parameter	Proposed Freque	200-1500	Information Included Y/N	Method of Analysis	Information Included Y/N
	Gas boreholes / vents/ wells/ perimeter locations	Facility Office			
Methane (CH <sub>4</sub> ) % v/v	FOT S	tion			
Carbon Dioxide (CO <sub>2</sub> ) % v/v	t cop	<u>,</u>			
Oxygen (O <sub>2</sub> ) % v/v	ento				
Atmospheric Pressure	Cons				
Temperature					

#### Table F.9 (c) Landfill Gas Infrastructure

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

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



#### SECTION G RESOURCES USE & ENERGY EFFICIENCY

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

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

Attachment	yes X	no	not applicable
included			

#### G.2 Energy Efficiency

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

	27. 203		
Attachment included	yes X so no	not applicable	
	For inspection per rear		



#### SECTION H MATERIALS HANDLING

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

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

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

Waste Management Act 1996, as amended.		Waste Management Act 1996, as amended.		
3rd Schedule (Dis	sposal) Operations	4th Schedule (Re	covery) Operations	
Class of	Quantity (tpa)	Class of	Quantity (tpa)	
Activity		Activity		
Applied For		Applied For		
Class D 1		Class R 1		
Class D 2		Class R 2		
Class D 3		Class R 3	400	
Class D 4		Class R 4	AV US	
Class D 5		Class R 5	11c	
Class D 6		Class Rot and		
Class D 7		Class R 🕫		
Class D 8		Class R 8		
Class D 9		Class R 9		
Class D 10	C	Class R 10		
Class D 11	. 15P	Class R 11		
Class D 12	Formin	Class R 12	416 NOTE 1	
Class D 13	્રેજ્	Class R 13	516 NOTE 2	
Class D 14	for white			
Class D 15	OHSON			

Note 1: This quantity accounts for 400 tonnes of waste gas prepared for recovery in Tallaght as R3 and 16 tonnes of waste oil and cooling fluid bulked up for collection and recovery off-site.

Note 2: This quantity is for the total max. quantity of waste to be received at the facility which will be temporarily stored prior to transfer to the UK (untreated waste gas), collection by a hazardous waste contractor (waste oil and cooling fluid) or reclamation.

In Table H. 1 (B) provide the annual amount of waste handled/to be handled at the facility. Additional information should be included in **Attachment H.1.** The tonnage per annum should be given of that expected for the life of the licence, with at least the next five years tonnages provided. For landfill licence review applications provide an estimate of the quantity of waste already deposited in (i) lined cells; (ii) unlined cells.



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

Year	Non-hazardous waste (tonnes per annum)	Hazardous waste (tonnes per annum)	Total annual quantity of waste (tonnes per annum)
2018	0	308	308
2019	0	412	412
2020	0	516	516
2021	0	516	516
2022	0	516	516

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

#### TABLE H.1 (C) WASTE TYPES AND QUANTITIES

WASTE TYPE	TONNES PER ANNUM (existing) (For 2016 – under current COR)	TONNES PER ANNUM (proposed) (For 2018 – under Waste Lucence)	TOTAL (over life of site) tonnes (For 5 years)
Household	0	Postication 0	0
Commercial	0	Postified 0	0
Sewage Sludge	0 ection to	1 <sup>00</sup> 0	0
Construction and Demolition	0 For instance	0	0
Industrial Non- Hazardous Sludges	Consolit	0	0
Industrial Non- Hazardous Solids	0	0	0
Hazardous *(Specify detail in Table H 1.2)	20	308	1,768
Inert Waste imported for restoration purposes	COMPLETE	FOR LANDFILL & CONT FACILITIES ONLY	AMINATED LAND



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

HAZARDOUS WASTE	DETAILED DESCRIPTION	Tonnes Per Annum (Existing) (For 2016 – under current COR)	(Tonnes Per Annum Proposed) (For 2018 – under Waste Licence)
Waste Oil	Waste refrigerant oil accepted at the facility.	0	4
Oil filters	Not Applicable	0	0
Asbestos	Not Applicable	0	0
Paint and Ink	Not Applicable	0	0
Batteries	Not Applicable	0	0
Fluorescent Light Bulbs	Not Applicable	0	0
<b>Contaminated Soils</b>	Not Applicable	0	0
OTHER HAZA	RDOUS WASTE (APPLICANT	TO SPECIFY)	
Waste Refrigerant Gas	Waste refrigerant gassiccepted from approved refrigerant contractors.	20	300
Waste Refrigerant Cooling Fluids	Waste refrigerance bolant fluid (mostly gly accepted from approved refrigerant contractors.	0	4

Attachment H.1 should contain any relevant additional information.

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

#### H.2 Waste Acceptance Procedures

Procedures for checking waste loads as they arrive at the facility must be included. These should follow the requirements of the Agency's Waste Acceptance Manual and, for landfills, Council Decision 2003/33/EC. A copy of these procedures and other associated documentation should be included as **Attachment H.2.** 

#### H.3 Waste Handling

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



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

#### H.3a Waste Handling at the Landfill Facility Not Applicable

State the manner in which it will be verified or assured that waste will be subject to treatment prior to landfilling in accordance with the requirements of article 6 of the Landfill Directive.

Provide information on the quantity of biodegradable municipal waste to be accepted and how the targets of article 5 of the Landfill Directive (1999/31/EC), as they have been adopted in Ireland, are to be achieved. In particular describe how operation of the landfill will contribute to:

- (a) a reduction by 16/07/2010 to 75% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available;
- (b)a reduction by 16/07/2013 to 50% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available;
- (c) a reduction by 16/07/2016 to 35% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available.

Evidence should be provided to show that energy will be used efficiently.

. required for *H.4 Waste Arisings* Waste Arisings should be considered for all contaminated soil applications. Details of all waste materials generated on the site including, name, description and nature as well as the source(s) should be dentified. The quantities of each type of waste generated on an annual/monthly basis should be calculated and stated in Tables H.4(i) and H.4(ii) of the application form. Applicants should also provide conversion factors used to relate volume  $(m^3)$  and tonnage (t) for their waste stream.

#### H.5 Waste Recycling and Recovery

Applicants should describe in **Attachment H.5** how waste activities will contribute to the requirements of regulation 31(1) and (2) of the European Communities (Waste Directive) Regulations 2011.

Applicants should also describe how they intend complying with the requirements of regulation 29(2A) of the Regulations regarding waste recovery.



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

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

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

#### I.1.Assessment of atmospheric emissions

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

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

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

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

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

S'

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

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

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

The requirements of and environmental quality standards contained in the European Communities Environmental Objectives (Surface Waters) Regulations 2009 (S.I. No. 272 of 2009) should be considered. Information should be provided on the manner in which these Regulations were taken into account in the assessment of the impact of emissions to surface waters.

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



#### I.3. Assessment of Impact of Sewage Discharge.

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

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

#### I.4 Assessment of impact of ground/groundwater emissions

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

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

The requirements of the European Communities Environmental Objectives (Groundwater) Regulations 2010 (S.I. No. 9 of 2010) should be considered. Information should be provided on the manner in which these Regulations were taken into account in the assessment of the impact of the activity on groundwater.

#### I.5 Ground and/or groundwater contamination

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

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

The requirements of the European Communities Environmental Objectives (Groundwater) Regulations 2010 (S.I. No. 9 of 2010) should be considered. Information should be provided on the manner in which these Regulations were taken into account in the assessment of groundwater contamination and any remedial works carried out or proposed.

#### I.6 Noise Impact.

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

Ambient noise measurements

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



- (i) State the maximum Sound Pressure Levels which will be experienced at typical points on the boundary of the operation. (State sampling interval and duration)
- (ii) State the maximum Sound Pressure Levels which will be experienced at typical noise sensitive locations, outside the boundary of the operation.
- (iii) Give details of the background (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 Nº I.6**.

#### I.7 Assessment of Ecological Impacts & Mitigation Measures

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





#### SECTION J ACCIDENT PREVENTION & EMERGENCY RESPONSE

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

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

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

Supporting information should form Attachment J.

Attachment included	yes X	no	not applicable	
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#### SECTION K REMEDIATION, DECOMMISSIONING, RESTORATION AND AFTERCARE

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

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

Attachment included	yes X	no	not applicable	
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#### SECTION L STATUTORY REQUIREMENTS

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

Indicate how all the requirements of Section 40(4)[(a) to (j)] of the Waste Management Act 1996, as amended, will be met.

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 screening, it is considered that an Appropriate Assessment is not required, provide a reasoned response.

The screening report and Natura Impact Statement, where applicable, shall be provided in **Attachment L.1**.

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

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

Attachment included	MSelle	yes X	no	not applicable
Ċ	5			

#### L.2 Fit and Proper Person

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

- Indicate whether the applicant or other relevant person has been convicted under the Waste Management Act 1996, as amended, the EPA Act 1992, as amended, the Local Government (Water Pollution) Acts 1977 and 1990 or the Air Pollution Act 1987.
- Provide details of the applicant's technical knowledge and/or qualifications, along with that of other relevant employees (Link to Section C.1 of the application).



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

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

Attachment included	yes X	no	not applicable
	<b>v</b>		11

#### L.3 Waste hierarchy

Section 21A of the Waste Management Act 1996, as amended, as amended, requires that the waste hierarchy shall apply. When applying the waste hierarchy, the Agency is obliged to take measures to encourage the options that deliver the best overall environmental outcome. Any departures from the hierarchy can be justified by lifecycle thinking on the overall impacts of the generation and management of specific waste streams. Applicants should justify any departures from the hierarchy on this basis and as set out in section 21A(2) of the Acts.

Applicants should be aware of the requirements related to recovery of waste set out in section 29(2A) of the Acts. (See section H5, above).

In accordance with article 12(1)(v), of the Waste Management (Licensing) Regulations, 2004, as amended, describe in **Attachment L.3** how the waste hierarchy is applied in or by the proposed activity.

	antor				
Attachment included	COUSC	yes X	no	not applicable	

#### L.4 Principles of self-sufficiency and proximity

Applicants should state in **Attachment L.4** how the proposed activity contributes to the requirements of Section 37A of the Waste Management Act 1996, as amended.

Attachment included	yes X	no	not applicable
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#### **SECTION M DECLARATION**

#### Declaration

I hereby make application for a licence / revised licence, pursuant to the provisions of the Waste Management Act 1996, 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 :
(on behalf of the organisation)	Dut Dut
Print signature name:	on purper control of the second stamp or seal:
نې	on per real
Position in organisation :	ð <sup>*</sup>
A CONT	
MEENIC	<i>Company stamp or seal:</i>
C	



### **ANNEX 1 STANDARD FORMS**

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

# **TABLE E.1(i)LANDFILL GAS FLARE EMISSIONS TO ATMOSPHEREEmission Point:**Not Applicable

Emission Point Ref. Nº:	
Location :	
Grid Ref. (12 digit, 6E,6N):	
Vent Details	Ather 180
Diameter:	ion purposes only any other use
Height above Ground(m):	ion purporties
Date of commencement of emission:	Fotingeriowiel

#### **Characteristics of Emission**

Not Applicable

СО				mg/m <sup>3</sup>
Total organic carbon (T	OC)			mg/m <sup>3</sup>
NOx		0°C. 3	% O2(Liquid or Gas), 6%	mg/Nm <sup>3</sup> 6 O <sub>2</sub> (Solid Fuel)
Maximum volume of e	mission			m³/hr
Temperature	°C	(max)	°C(min)	°C(avg)

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

Periods of Emission (avg)min/hrhr/dayday/yr
---------------------------------------------



### TABLE E.1(ii) MAIN EMISSIONS TO ATMOSPHERE (1 Page for each emission point) Not Applicable (1 Page for each emission point)

Emission Point Ref. Nº:	
Source of Emission:	
Location :	
Grid Ref. (12 digit, 6E,6N):	
Vent Details	
Diameter:	
Height above Ground(m):	
Date of commencement:	

#### Characteristics of Emission :

Not Applicable

		01, 91.	
(i) Volume to be e	emitted:	IPost of the	
Average/day	m <sup>3</sup> tan Port	Maximum/day	m <sup>3</sup> /d
Maximum rate/hour	For in the h	Min efflux velocity	m.sec <sup>-1</sup>
(ii) Other factors	ansent of		
Temperature	°C(max)	°C(min)	°C(avg)
For Combustion Source	ces:		
Volume terms express	ed as : $\Box$ we	t. 🗆 dry	%O2

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

Periods of Emission (avg)	min/hrhr/day	day/yr
---------------------------	--------------	--------



#### TABLE E.1(iii): MAIN EMISSIONS TO ATMOSPHERE

#### **Chemical characteristics of the emission** (1 table per emission point)

Emission Point Reference Number: \_\_\_\_\_Not Applicable\_\_\_\_\_

Parameter	Prior to treatment <sup>(1)</sup>		Brief	As discharged <sup>(1)</sup>							
	mg/l	Nm <sup>3</sup>	kg	g/h	description	mg/	Nm <sup>3</sup>	kg	/h.	kg/year	
	Avg	Max	Avg	Max	of treatment	Avg	Max	Avg	Max	Avg	Max
				Consent of cold	Perion purposes only any other use.						

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 /Fugitive

#### Not Applicable

Emission point	Description		Emission	details <sup>1</sup>	Abatement system employed	
Reference Numbers		material	mg/Nm <sup>3(2)</sup>	kg/h.	kg/year	
	CC	For inspection	autoses official	other use.		

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°C101.3kPa). Wet/dry should be clearly stated. Include reference oxygen conditions for combustion sources.



### **TABLE E.2(i):EMISSIONS TO SURFACE WATERS**<br/>(One page for each emission)

#### **Emission Point:** Not Applicable

Emission Point Ref. Nº:	
Source of Emission:	25
Location :	1. A other wa
Grid Ref. (10 digit, 5E,5N):	o <sup>se</sup> ed for all
Name of receiving waters:	tonput cut
Flow rate in receiving waters:	m <sup>3</sup> sec <sup>4</sup> Dry Weather Flow
Available waste assimilative capacity:	Consent of kg/day

#### **Emission Details:**

Not Applicable

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



Maximum rate/hour m	
---------------------	--

(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*):

min/hrhr/dayday/yr
othernse.
Conserved conserved to any other use.
- Oction Parte redu
Fortherman
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#### TABLE E.2(ii): EMISSIONS TO SURFACE WATERS Characteristics of the emission (1 table per emission point)

*Emission point reference number* : \_\_\_\_\_Not Applicable\_\_\_\_\_

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) (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	
			Co	For inspection For inspection	And required for any o.				



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

#### **Emission Point:** Not Applicable

Emission Point Ref. Nº:	
Location of connection to sewer :	
Grid Ref. (10 digit, 5E,5N):	
Name of sewage undertaker:	

#### **Emission Details:**

#### Not Applicable

(i) Volume to be en	nitted	<u>ي</u> و.				
Normal/day	m <sup>3</sup>	Maximum day	m <sup>3</sup>			
Maximum rate/hour	m <sup>3</sup>	opside of tot at				
iton per refer						

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

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

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

*Emission point reference number* : \_\_\_\_\_Not Applicable\_\_\_\_\_

Parameter	Prior to treatment				% 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	
				For inspection For inspection	ner required for any				



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

#### **Emission Point or Area:** Not Applicable

Emission Point/Area Ref. Nº:	
Emission Pathway: (borehole, well, percolation area, soakaway, landspreading, etc.)	ې
Location :	1. A offer
Grid Ref. (10 digit, 5E,5N):	ose of for at
Elevation of discharge: (relative to Ordnance Datum)	nection purperior
Aquifer classification for receiving groundwater body:	For install
Groundwater vulnerability assessment (including vulnerability rating):	Consent of constraints
Identity and proximity of groundwater sources at risk (wells, springs, etc):	
Identity and proximity of surface water bodies at risk:	



#### **Emission Details:** Not Applicable

(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
		-Rection	et required
		in the	
		Consent of copyrige	

#### Table E.5 (i): NOISE EMISSIONS - Noise sources summary sheet Not Applicable

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		
							. \$	e.						
							thet							
						i tela	3							
						soffor	P.							
					R	Sited								
					n Pure	<u>6</u> 2								
				0	HONDEL									
				insp.	<sup>o</sup>									

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



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

Emission point reference number : \_\_\_\_\_Not Applicable\_\_\_\_\_

Control <sup>1</sup> parameter	Equipment <sup>2</sup>	Equipment maintenance	Equipment calibration	Equipment back-up

Control <sup>1</sup> parameter	Monitoring to be carried out <sup>3</sup>	Monitoring equipment	Monitoring equipment calibration
		ose5 only: any other to	
	insection	nut contre	
	FOT MILES		

<sup>1</sup> List the operating parameters of the treatment / abatement system which control its function. <sup>2</sup> List the equipment necessary for the proper function of the abatement / treatment system.

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

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

Emission Point Reference No(s). : \_\_\_\_\_Not Applicable\_\_\_\_\_

Parameter	Monitoring frequency	Accessibility of Sampling Points	
			15 <sup>0</sup> .
			uposes only any other use.
			00° ired for it
		cition of	stedil.
		of instance	
		, dropp	
		Consent	



# WASTE Application Form

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

Monitoring Point Reference No :\_\_\_\_\_Not Applicable\_\_\_\_\_

Parameter	Monitoring frequency	Accessibility of Sampling point	
		Consent of copyri	ection purposes only, any other use.

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

Ref. № or	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 Stateme nt <sup>(4)</sup>
Code				(tonnes)	(tonnes)				m
1	Diesel (Fuel)	64742-46- 7	Flammable liquid and vapour, May be fatal if swallowed and enters airways, Skin irritant, Harmful if inhaled, Toxic to aquatic life with long lasting effects.	0.034	only any of	Forklift Refuelling	-	-	H226, H304, H315, H332, H411
2	Reclaimed Refrigerant Gas (R22) (chlorodifluoromethane)	75-45-6	Gas under pressure - may explode if heated, harms public health and the environment by destroying ozone in the upper atmosphere.	Rection Purposed	<90	Reclaimed gas product	-	-	H280, H420
3	Reclaimed Refrigerant Gas (R134A) (1,1,1,2- tetrafluoroethane)	000811- 97-2	Gas under pressure – may explode if heated.	<3	<90	Reclaimed gas product	-	-	H280
4a	Reclaimed Refrigerant Gas (R404A) (1,1,1-trifluoroethane c.52%)	420-46-2							
4b	Reclaimed Refrigerant Gas (R404A) (pentafluoroethane c.44%)	354-33-6	Gas under pressure – may explode if heated.	<3	<90	Reclaimed gas product	-	-	H280
4c	Reclaimed Refrigerant Gas (R404A) (1,1,1,2- tetrafluoroethane c.4%)	811-97-2							

epa

5a	Reclaimed Refrigerant Gas (R407C) (1,1,1- tetrafluoroethane c.52%)	811-97-2							
	Reclaimed Refrigerant Gas (R407C) (pentafluoroethane c.25%)	354-33-6	Gas under pressure – may explode if heated.	<3	<90	Reclaimed gas product	-	-	H280
	Reclaimed Refrigerant Gas (R407C) (difluoromethane c.23%)	75-10-5							
	Reclaimed Refrigerant Gas (R410A) (pentafluoroethane c.50%)	354-33-6	Gas under pressure – may	<3	<00	Reclaimed gas product			H280
	Reclaimed Refrigerant Gas (R410A) (difluoromethane c.50%)	75-10-5	explode if heated.	د>	<90 only any of	geeclamed gas product	-	-	п280

In cases where a material comprises a number of distinct and available dangerous substances, please give details for each component substance. c.f. Article 2(2) of SI Nº 77/94 c.f. Schedules 2 and 3 of SI Nº 77/94 Notes: 1.

2.

3.



# TABLE H.4(i): WASTE Hazardous Waste Recovery/Disposal

Waste material	EWC Code	Main source <sup>1</sup>	Quantity		On-site	Off-site Recovery, reuse	Off-site Disposal
					Recovery/Disposal	or recycling	
			Tonnes / m <sup>3</sup> / month month		(Method & Location)	(Method, Location & Undertaker)	(Method, Location & Undertaker)
Waste refrigerant oil	13 02 05*, 13 02 08*	Reclamation process	<0.1 (@ typical density of 0.85 tonnes/m <sup>3</sup> )	<0.1	 -	Waste oil blending (R9)	-

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

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# TABLE H.4(ii) WASTE - Other Waste Recovery/Disposal

Waste material	EWC Code	Main source <sup>1</sup>	Quantity		On-site recovery/disposal <sup>2</sup>	Off-site Recovery, reuse or recycling	Off-site Disposal
			Tonnes / month	m <sup>3</sup> / month	(Method & Location)	(Method, Location & Undertaker)	(Method, Location & Undertaker)
Drying Agent (molecular sieve)	20 03 01	Drying agent from drying towers in the reclaim plant	<0.1 (@ typical density of 0.72 tonnes/m <sup>3</sup> )	<0.1	-	Removal for energy recovery, where possible.	-

A reference should be made to the main activity/ process for each waste.
 The method of disposal or recovery should be clearly described and referenced to Attachment H.1



WASTE Application Form

# Table I.2(i) SURFACE WATER QUALITY

(Sheet 1 of 2) Monitoring Point/ Grid Reference: \_\_\_\_\_ Not Applicable \_\_\_\_\_

Parameter			sults ng/l)		Sampling method <sup>2</sup> (grab, drift etc.)	Normal Analytical Range <sup>2</sup>	Analysis method / technique
	Date	Date	Date	Date			
pH					ي. م		
Temperature					otherus		
<b>Electrical conductivity EC</b>					.1		
Ammoniacal nitrogen NH <sub>4</sub> -N					25 OTHI AND		
Chemical oxygen demand				Ŕ	stredt		
<b>Biochemical oxygen demand</b>				OT PETE	<u>8</u>		
Dissolved oxygen DO				noecito/net			
Calcium Ca				or institut			
Cadmium Cd				COPA-			
Chromium Cr			a start and a start a st	St.			
Chloride Cl			Consert				
Copper Cu			D				
Iron Fe							
Lead Pb							
Magnesium Mg							
Manganese Mn							
Mercury Hg							



# Surface Water Quality (Sheet 2 of 2)

Parameter			sults ng/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					nerus		
Total alkalinity (as CaCO <sub>3</sub> )					W. NO		
Total organic carbon TOC					25 OTEN AT		
Total oxidised nitrogen TON				R	sol of the second se		
Nitrite NO <sub>2</sub>				on Pix re	26		
Nitrate NO <sub>3</sub>				O <sup>ection net</sup>			
Faecal coliforms ( /100mls)				of install			
Total coliforms (/100mls)				COP THE			
Phosphate PO <sub>4</sub>			~	\$*~			
			Consor				



# Table I.4(i) GROUNDWATER QUALITY

(Sheet 1 of 2) Monitoring Point/ Grid Reference: \_\_\_\_\_Not Applicable \_\_\_\_\_\_

Parameter			esults ng/l)		Sampling method (composite etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
pH							
Temperature							
Electrical conductivity EC							
Ammoniacal nitrogen NH <sub>4</sub> -N					150.		
Dissolved oxygen DO					ther		
Residue on evaporation				alt's	NY .		
(180°C)				Ses offor ?			
Calcium Ca				ITP JITE			
Cadmium Cd			2	ontre			
Chromium Cr			and the second				
Chloride Cl			Formster				
Copper Cu			COX.				
Cyanide Cn, total			all				
Iron Fe		(	OIISC				
Lead Pb							
Magnesium Mg							
Manganese Mn							
Mercury Hg							
Nickel Ni							
Potassium K							
Sodium Na							

# WASTE Application Form 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					Q.*		
Arsenic As					et USE		
Barium Ba					1. Notte		
Boron B				_0	COT 2113		
Fluoride F				DOS: Jed			
Phenol				Philedin			
Phosphorus P				- Pection Preter			
Selenium Se			· . 	ns ht			
Silver Ag			Ŷ <sup>O</sup>	and a star			
Nitrite NO <sub>2</sub>			t of of				
Nitrate NO <sub>3</sub>			Consent				
Faecal coliforms ( /100mls)			0				
Total coliforms (/100mls)							
Water level (m OD)							

## Table I.6 (i): AMBIENT & BACKGROUND NOISE ASSESSMENT Not Applicable

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

	National Grid Reference	d Sound Pressure Levels (dB)						
	(6N, 6E)	LAeq		L	A10	LA90		
		Ambient	Background <sup>2</sup>	Ambient	Background <sup>2</sup>	Ambient	Background <sup>2</sup>	
<b>1.</b> SITE BOUNDARY <sup>3</sup>								
Location 1:								
Location 2:								
Location 3:								
Location 4:				e Se Se				
2. NOISE SENSITIVE LOCATIONS <sup>3</sup>				othert	·		·	
Location 1:			Only	C 3D.				
Location 2:			See di	<u>,</u>				
Location 3:			OUTPOUT					
Location 4:			tion terreet					

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).

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. All locations should be identified on accompanying drawings. 2.

3. All locations should be identified on accompanying drawings.



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