

Waste Licence Application Form

This document does not purport to be and should not be considered a legal interpretation of the provisions and requirements of the Waste Management Acts 1996 to 2003.

(Office use only)

Environmental Protection Agency

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

Environmental Protection Agency Application for a Waste Licence

WASTE MANAGEMENT ACTS 1996 to 2003

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ANNEX 1: STANDARD FORMS



INTRODUCTION

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

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

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

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

While all sections in the application of the provided on the section of t

While all sections in the application from may not be relevant to the activity concerned, the applicant should look prefully 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 begible. In exceptional circumstances, where A3 is considered inadequate, a larger size may be requested by the Agency.

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

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



CHECKLIST

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

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

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

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

	A SECTION AND ADDRESS OF THE PROPERTY OF THE P	
LOCATION	Section B1 of Application Form	
CHECKED	Applicant X 35' and Official	

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

LOCATION	Section B3 of Applicat	tion Form
CHECKED	Applicant 🖂	Official _

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

LOCATION	Attachment B4	
CHECKED	Applicant 🖂	Official

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

LOCATION	Section B2	
CHECKED	Applicant 🖂	Official

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

LOCATION	Attachments D1; D2; H	1
CHECKED	Applicant	Official

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

LOCATION	Attachment B7	
CHECKED	Applicant 🖂	Official

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

LOCATION	Attachment H.1(a)	2.
CHECKED	Applicant \boxtimes	of Official

(h) specify the raw and ancillary nearerials, substances, preparations, fuels and energy which will be activity,

LOCATION	Attachinent G1	
CHECKED	Applicant 🖂	Official

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

LOCATION	Attachment D2	
CHECKED	Applicant 🖂	Official

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

LOCATION	Attachment L1	
CHECKED	Applicant 🖂	Official

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

LOCATION	Tables E.2(i) – E5(i)	
CHECKED	Applicant 🖂	Official

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

LOCATION	Attachment I	
CHECKED	Applicant 🖂	Official

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

LOCATION	Attachment F only and	
CHECKED	Applicant Z	Official

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

LOCATION	Attachment H.4	
CHECKED	Applicant	Official

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

LOCATION	Attachment H.4	
CHECKED	Applicant 🖂	Official

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

LOCATION	Attachment J	
CHECKED	Applicant \boxtimes	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 🖂	Official

- (r) in the case of an application in respect of the landfilling of waste, give particulars of
 - (i) such financial provision as is proposed to be made by the applicant, having regard to the provisions of Articles (7)(i) and (8)(a)(iv) of the Landfill Directive and section 53(1) of the Act, and

LOCATION	Not Applicable	
CHECKED	Applicant 🗵	Official

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

, co	
CHECKED Applicant	Official

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

	<u> </u>	
LOCATION	Attachment B8	
CHECKED	Applicant 🖂	Official

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

LOCATION	Attachment E.4	
CHECKED	Applicant 🖂	Official



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

LOCATION	Attachment A	
CHECKED	Applicant 🖂	Official

- **Article 12(4)** Without prejudice to Article 13(1) and (2), an application for a licence shall be accompanied by -
 - (a) a copy of the relevant page of the newspaper(s) in which the notice in accordance with article 6 has been published,

LOCATION	Attachment B.6	
CHECKED	Applicant 🖂	Official

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

LOCATION	Attachment B6		ne.		
CHECKED	Applicant	\boxtimes	other	Official	

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

LOCATION	Attackment B.6	
CHECKED	Applicant	Official

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

LOCATION	Attachment B.6	
CHECKED	Applicant 🖂	Official

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

LOCATION	Attachment E; F	
CHECKED	Applicant 🖂	Official



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

LOCATION	Attachment F	
CHECKED	Applicant 🖂	Official

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

INCLUDED Y/N	Yes	
CHECKED	Applicant 🛚	Official

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

HARDCOPIES PROVIDED Y/N	Yes		ee.		
CHECKED	Applicant	liker	Official		
ally, and					
CD OF PDF FILES PROVIDED? Y/N	Yes ses dio	Y			
CHECKED	Applicant		Official		
:00	open own				

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	Yes			
CHECKED	Applicant	\boxtimes	Official	
3 HARD COPIES OF EIS INCLUDED? Y/N	Yes			
CHECKED	Applicant	\boxtimes	Official	
16 CD versions of EIS, as PDF files, PROVIDED? Y/N	Yes			
CHECKED	Applicant		Official	



PROCEDURES

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

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

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

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

The application form is divided into a number of sections of related information. The

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

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

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

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



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

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

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

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

- All drawings submitted should be titled and dated.
- They should have a <u>unique reference number</u> and should be signed by a clearly identifiable person.
- They should indicate a scale and the direction of norths
- 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 wale 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 engage opriate scale such that they are clearly legible. Provide legends on all drawings and maps as appropriate.

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



SECTION A NON-TECHNICAL SUMMARY

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

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

Consent of copyright owner required for any other use.



SECTION B GENERAL

B.1 Applicant's Details

Name*:	Oxigen Environmental Ltd.
Address:	Merrywell Industrial Estate
	Ballymount Road Lower
	Dublin 22
	•
Tel:	01 4263118
Fax:	01 6206750
e-mail:	info@oxigen.ie

^{*} 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:	Jim Dowdall Only's and
Address:	Oxigen Environmental Ltd
	Merrywell Industrail Estate
	Ballymount Road Lower citon Res
	Dublin 22 institutor
Tel:	01 4263118 Fot Wills
Fax:	01 4567192 St. CON
e-mail:	jdowdall@oxigen.ie

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

Address:	3 rd Floor
	Quayside Business Park
	Mill Street
	Dundalk, Co. Louth.
Tel:	042 9330789
Fax:	042 9330789
e-mail:	info@oxien.ie

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

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



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

Landowner	
Lessee	
Prospective Purchaser	
Other (please specify)	
Name and address of all occupiers of the land on which the Activity is situated (if different frapplicant named above).	ron
Name:	
Address:	
· \	
fel:	
Fax:	
e-mail:	
Name and address of the current* owner(s) and lessees of the land, buildings and ancillary plant on which the activity is or will be situated (if different from applicant named above). An appropriately scaled drawing(\(\leq A3\)) showing the above details should be included in Attachment Name: Address: Tel:	В1
Name: ation terms	
Address: institute and institu	
FO DAIL	
Fax:	
e-mail:	
*Current at the time the application is submitted	
B.2 Location of Activity	
Name: Oxigen Environmental Ltd	
Address*: Merrywell Industrial Estate	

Tel: Fax:

e-mail:

Ballymount Road Lower

Clondalkin Dublin 22 01 4263118

01 4567192

info@oxigen.ie

^{*} Include any townland



National Grid Reference	E309627	
(8 digit 4E,4N)	N230736	

Location maps (≤A3), appropriately scaled, with legible grid references should be enclosed in **Attachment B.2.** The site boundary must be outlined on the map in colour.

B.3 Planning Authority

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

Name:	South Dublin County Council
Address:	County Hall
	Tallagh
	Dublin 24
Tel:	01-4149000
Fax:	01-4149111

Has the Planning Authority received written notification from the applicant of the application to The Environmental Protection Agency for a Waste Licence under Article of the Waste Management (Licensing) Regulations?

Planning Authority notified Nes No

Planning Permission rela	ting to th	nis application:-iton the
has been obtained is being processed	\boxtimes	For it is the
is not yet applied for is not required		Consent O

Local Authority Planning

File Reference Nº:

SD09A/0413	
SD07A/0413	

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



B.4 Sanitary Authority

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

Name:	South Dublin City Council		
Address:	County Hall		
	Tallagh		
	Dublin 24		
Tel:	01-4149000		
Fax:	01-1419111		

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.

3.5 Other Authorities

The applicant should tick the appropriate box below to identify whether the activity is located within the Shannon Free Airport Development Company (SFADCo.) area.

	And the second s
Within SF	ADCo. Area Yes No No III
The applica	ADCo. Area Yes No No not should indicate the Health Board Region of the return the return of the return the return of the retu
Name:	Health Services Executive ecital particular to the services of
Address:	Administration Head Office The Common Administration Head Office
	Navan Road, Forth
	Kells, Co. Meath
Tel:	046-9240341 SSE
Fax:	

B.6 Notices and Advertisements

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

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

B.7 Type of Waste Activity, Tonnages & Fees

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

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

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

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

TABLE B.7.2 MAXIMUM ANNUAL TONNAGE

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

Maximum Annual Tonnage (tpa)	350,000
Year	2011

B.7.3 FEES

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

Waste Activity	Fee (in €)
Disposal of Waste (appropriate	€22,500
disposal activity $1.1 - 3.3$)	
Recovery of Waste (4)	€6,000
Total	€28,500 µse.

TABLE B.7.4 (FOR A LANDFILL APPLICATIONS of the following of the FOLLOwing and The Following of the Followin STATE WHICH OF THE FOLLOWING IS RELEVANT TO THE CURRENT APPLICATION.

ith of the	
(a) landfill for hazardous waste	
(b) landfill for non-hazardous waste	
(c) landfill for inex waste	

B.8 SEVESO II DIRECTIVE

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

Regulations Apply	Yes 🗌	No 🛛
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If yes, Attachment B.8 should include the relevant details. Supporting information, as well as copies of any Hazardous Operation Studies (HAZOP) carried out for the site, should also be included in the attachment.



SECTION C MANAGEMENT OF THE FACILITY

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

C.1 Technical Competence and Site Management

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

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

Name	Position	Duties and Responsibilities	Experience /Qualifications
Aidan Doyle	Operations Director	Overall Responsibility for processing operations of	BSc. Environmental Management
		Oxigen Environmental	
John Clune	Operations	Responsibility for processing	Certificate in Mechanical
	Manager	operations of Oxigente	Engineering
		Environmental di ari	
Jim Dowdall	Environmental	Overall responsibility for	MSc. Chemistry
	Director	Environmental Compliance of	
		Oxigen Environmental	
Gillian Free	Regional	Responsible for Compliance of	BSc. Environmental
	Environmental	WGP and EPA Licences &	Management;
	Manager	ensuring EMS is maintained	Fás FETAC Waste
	en	to ISO14001 Standard	Management Training
Rachel Griffith	Environmentan	Day to day management of	BA (Hons);
	Compliance	Collection Permits and daily	Fás FETAC Waste
	Officer	site compliance inspections	Management Training

C.2 Environmental Management System

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

C.3 Hours of Operation

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

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



(d) Any other relevant hours of operation expected.

C.4 Conditioning Plan

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

Consent of copyright owner required for any other use.



SECTION D INFRASTRUCTURE & OPERATION

D.1 Infrastructure

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

Table	D.1. Infrastructure	y/n	Comments
D.1.a	Site security arrangements including gates and fencing	у	See Attachment D1.a
D.1.b	Designs for site roads	n	Not applicable
D.1.c	Design of hardstanding areas	У	See Attachment D1.c
D.1.d	Plant	У	See Attachment D1.d
D.1.e	Wheel-wash	у	See Attachment D1.e
D.1.f	Laboratory facilities net laboratory facilities	У	See Attachment D1.f
D.1.g	Waste quarantine areas Waste inspection areas Traffic control Sewerage and surface water dramage infrastructure All other services Plant sheds, garages and equipment compound Site accommodation A fire control system, including water supply Civic amenity facilities	У	See Attachment D1.g
D.1.h	Waste quarantine areas up significant	У	See Attachment D1.h
D.1.i	Waste inspection areas	У	See Attachment D1.i
D.1.j	Traffic control	У	See Attachment D1.j
D.1.k	Sewerage and surface water dramage infrastructure	У	See Attachment D1.k
D.1.l	All other services	У	See Attachment D1.1
D.1.m	Plant sheds, garages and equipment compound	У	See Attachment D1.m
D.1.n	Site accommodation	У	See Attachment D1.n
D.1.0	A fire control system, including water supply	У	See Attachment D1.0
D.1.p	Civic amenity facilities	у	See Attachment D1.p
D.1.q	Any other waste recovery infrastructure	У	See Attachment D1.q
D.1.r	Composting infrastructure	n	Not applicable
D.1.s	Construction and Demolition waste infrastructure	у	See Attachment D1.m
D.1.t	Incineration infrastructure (if applicable). Provide information to fulfil Article 4 (2) & (3) of the Incineration of Waste Directive	n	Not applicable
D.1.u	Any other infrastructure	у	See Attachment D1.u



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*.

A44 1 1 1 1 1 1			1. 11
Attachment included	yes 🔀	no	not applicable

LANDFILLS

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

D.3 Liner System

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

TABLE D.3 LINER SYSTEM

	of ingho.	y/n	Comments
D.3.a	Provide information to fulfil Annex 1 of the Landfill Directive one		
D.3.b	What type of liner system is specified?		
D.3.c	Has a Quality Control Plan been specified?		
D.3.d	Has a Quality Assurance Plan been specified?		
D.3.e	Have independent, third-party supervision, testing and controls been specified?		
D.3.f	Have basal gradients for all cells and access ramps to the cells been designed?		
D.3.g	Has a leak detection survey been specified?		

D.4 Leachate Management

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

TABLE D.4.1 LEACHATE MANAGEMENT ARRANGEMENTS

Have annual quantities of leachate been calculated? Has the total quantity of leachate been calculated?		
Has the total quantity of leachate been calculated?		
Have the size of the cells been specified taking account of the water balance calculations?		
Has a leachate collection system been specified?		
Has a leachate storage system been specified 3°.		
Has a system for monitoring the level of leachate in the waste been designed?		
inthatile		
As leachate treatment on site been specified?		
Has leachate remoyal been specified?		
	las a leachate collection system been specified? las a leachate storage system been specified? las a system for monitoring the level of leachate in the waste been designed?	las a leachate collection system been specified? las a leachate storage system been specified? las a system for monitoring the level of leachate in ne waste been designed? s leachate recirculation proposed/practised? las leachate treatment of site been specified?

D 5 Landfill Gas Management

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

Table D.5. Landfill Gas Management

I WOIC D	.s. Landin Gas Management	v/n	Comments
		y/11	Comments
D.5a	Is there a Landfill Gas Management Plan?		
	Provide estimates of the volumes of landfill gas which will be produced by the waste disposed of in the site for the next 20 years, and compare to the EPER list for methane:		
D.5b	Is there a passive venting system?		
D.5c	Does the passive system cover all of the filled area?		
D.5d	Have gas alarm systems been installed in the site buildings?		
D.5e	Have measures been installed to prevent landfill gas migration (e.g. barriers)?	y other us	e.
D.5f	Has a time-scale been proposed for the installation of landfill gas infrastructure? Is gas flaring undertaken at the site?		
D.5g	Is gas flaring undertaken at the site?		
D.5h	Is there an active (i.e., pumped) landfill gas extraction system?		
D.5i	Does the active system cover all of the filled area?		
D.5j	Is landfill gas used to generate energy at the site?		
D.5k	Have emissions from the flarestack and utilisation plant been assessed for source, composition, quantity and level and rate?		
D.51	Has a maintenance programme for the control system been specified?		
D.5m	Has a condensate removal system been designed?		



D.6 Capping System

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

Table D.6 Capping System

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



SECTION E EMISSIONS

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

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

E.1 Emissions to Atmosphere

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

E.2 Emissions to Surface Waters

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

E.3 Emissions to Sewer

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

E.4 Emissions to Groundwater

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

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

Supporting information should form Attachment E.4

E.5 Noise Emissions

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

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

Supporting information should form Attachment E.5



E.6 Environmental Nuisances

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

TABLE E.6 ENVIRONMENTAL NUISANCES

Bird Control	Control method specified	yes 🖂	no	not applicable
	Attachment included	yes 🖂	no	not applicable
Dust Control	Control method specified	yes 🖂	no	not applicable
	Attachment included	yes 🖂	no	not applicable
Fire Control	Control method specified	yes 🖂	no	not applicable
	Attachment included	yes 🖂	no	not applicable
Litter Control	Control method specified	yes 🖂	no _	not applicable
	Attachment included	yes one.	no	not applicable
Traffic Control	Control method specified	on Gran	no	not applicable
		yes 🖂	no	not applicable
Vermin Control	Control method specified specified	yes 🖂	no	not applicable
	Attachment included	yes 🖂	no	not applicable
Road Cleansing	Control method specified seen	yes 🖂	no	not applicable
	Attachment included	yes 🖂	no	not applicable



SECTION F CONTROL & MONITORING

F.1: Treatment, Abatement and Control Systems

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

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

Attachment F.1 should contain any supporting information.

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

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

Include details of monitoring/samplings ocations and methods.

F.2 Air - to include Dust, Odour

Monitoring Arrangements specified	yes 🖂	no	not applicable
Monitoring points identified, (plus	yes 🖂	no	not applicable
12-figure grid references)			2070
Attachment included	yes 🖂	no	not applicable

F.3 Surface Water

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

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



F.4 Sewer Discharge

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

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

F.5 Groundwater

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

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

F.6 Noise

F.6 Noise	14. ay affet ise.	
Monitoring Arrangements specified	yes so no	not applicable
Monitoring points identified, (plus 12-figure grid references)	yes die no	not applicable⊠
Attachment included	yes no no	not applicable

F.7 Meteorological Data

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

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

F.8 Leachate

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

F.9 Landfill Gas

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

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

Parameter	Concentration (mg/Nm³)	Proposed Frequency of		Method of Analysis	Information Included
		Analysis	YA		-Y/N
Inlet					
Methane (CH ₄) % v/v					
Carbon dioxide (CO ₂) %v/v					
Oxygen (O ₂) % v/v					
Outlet					
Volumetric Flow Rate					
SO_2					
Nox					
CO					
Particulates					
TA Luft Class I, IL III organics					
Hydrochlorie acid			ther use.		
Hydrogen Fluoride			d		

Parameter	Proposed I of Analysis	requency	fully and other fully and othe	Method of Analysis	Information Included 17
	Gas boreholes / vents/ wells/ perimeter locations	Facility Office			
Methane (CH ₄) % v/v	ر خ	36,			
Carbon Dioxide (CO ₂) % v/v					
Oxygen (O ₂) % v/v	COnsent				
Atmospheric Pressure					

Table F.9 (c) Landfill Gas Infrastructure

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

Monitoring Arrangements specified	yes _ r	10	not applicable
Monitoring points identified, (plus	yes	10	not applicable 🖂
12-figure grid references)			
Attachment included	yes 🗌 r	10	not applicable



SECTION G RESOURCES USE & ENERGY EFFICIENCY

G.1 Raw Materials, Substances, Preparations and Energy

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

Attachment included	yes 🖂	no	not applicable
G.2 Energy Efficiency			
A description of the energy us Attachment G.2 .	sed in or generat	ed by the	polivity must be provided in

Attachment yes Affather no not applicable included

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SECTION H MATERIALS HANDLING

H.1 Waste Types and Quantities – Existing & Proposed

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

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

Waste Management Act		Waste Management Act		
3rd Schedule	(Disp	osal) Activities	4th Schedule (R	ecovery) Activities
Class of Activity Applied For		Quantity (tpa)	Class of Activity Applied For	Quantity (tpa)
Class 1			Class 1	otte use.
Class 2			Class 2	difer
Class 3			Class 3 4 Co	X
Class 4			Class & col	X
Class 5			Class 6	
Class 6			de lass 6	
Class 7	X		cito ne lass 7	
Class 8		ي . مغ	Class 8	
Class 9		COLIV	Class 9	
Class 10		CODY	Class 10	
Class 11	X	Consent of copy	Class 11	X
Class 12	X	nsent.	Class 12	X
Class 13	X	Cox	Class 13	X

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

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

Year	Non-hazardous waste (tonnes per annum)	Hazardous waste (tonnes per annum)	Total annual quantity of waste (tonnes per annum)
2010	280,000	20,000	300,000
2011	320,000	30,000	350,000
2012	320,000	30,000	350,000
2013	320,000	30,000	350,000

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

TABLE H.1 (C) WASTE TYPES AND QUANTITIES

WASTE TYPE	TONNES PER ANNUM (existing)	TONNES PER ANNUM (proposed)	TOTAL (over life of site) tonnes
Household	80,000	180,000	
Commercial	40,000	40,000	
Sewage Sludge	1,000	1,000	
Construction and Demolition	80,000	80,000	
Industrial Non- Hazardous Sludges	-	-	
Industrial Non- Hazardous Solids	19,000 (C&I)	19,000	
Hazardous *(Specify detail in Table H 1.2)	30,000	30,000 any other like.	
Inert Waste imported for restoration purposes	for inspection	30,000 30,000 any other use.	

* TABLE H.1.2 HAZARDOUS WASTE TYPES AND QUANTITIES

HAZARDOUS WASTE	* REFERENCE SHOULD BE MADE TO THE RELEVANT EUROPEAN WASTE CATALOGUE CODES AS PRESENTED BY COMMISSION DECISION 2000/532/EC	Tonnes Per Annum (Existing)	(Tonnes Per Annum Proposed)
Waste Oil			
Oil filters			
Asbestos			
Paint and Ink			
Batteries			
Fluorescent Light Bulbs			
Contaminated Soils			
OTHER HAZA	RDOUS WASTE (APPLICANT	TO SPECIFY)	

Attachment H.1 should contain any relevant additional information.



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

H.2 Waste Acceptance Procedures

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

H.3 Waste Handling

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

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

H.3a Waste Handling at the Landfill Facility of the State whether all waste will 1 State whether all waste will be subject to landfilling. Provide information as to the quantities of biodegradable municipal waste and how the targets of the Landfill Directive (19961/EC) relating to that waste type are to be achieved. In particular describe how the following will be achieved:

- (a) a reduction by 16/07/08 to 75% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available;
- (b) a reduction by 16/07/09 to 50% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available;
- (c) a reduction by 16/07/16 to 35% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available:
- (d)Evidence should be provided to show that energy will be used efficiently.

H.4 Waste Arisings

Waste Arisings should be considered for all contaminated soil applications. Details of all waste materials generated on the site including, name, description and nature as well as the source(s) should be identified. The quantities of each type of waste generated on an annual/monthly basis should be calculated and stated in Tables



H.1(i) and H. 1(ii) of the application form. Applicants should also provide conversion factors used to relate volume (m³) and tonnage (t) for their waste stream.

SECTION I EXISTING ENVIRONMENT & IMPACT OF THE FACILITY

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

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

I.1. Assessment of atmospheric emissions

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

Provide a statement whether or not emissions of main polluting substances (as defined in the Schedule of S.I. 394 of 2000) to the atmosphere are likely to impair the environment.

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

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

I.2. Assessment of Impact on Receiving Surface Water

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

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

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



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

I.3. Assessment of Impact of Sewage Discharge.

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

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

I.4 Assessment of impact of ground/groundwater emissions

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

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

I.5 Ground and/or groundwater contamination equivalents of the complete of the

Summary details of known ground 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 (\(\le A \) documentation, including containment engineering, remedial works, and any other supporting information should be included in Attachment I.5.

I.6 Noise Impact.

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

Ambient noise measurements

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

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



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

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

I.7 Assessment of Ecological Impacts & Mitigation Measures

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

SECTION J ACCIDENT PREVENTION & EMERGENCY RESPONSE

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

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

Leading the distribution of the periods of the period of

leaks, malfunctions or momentary stoppages.

Supporting information should form **Attachment J.**

Attachment included	yes 🖂	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	ves 🖂	no	not applicable
Attachment included	y cs	шо	not applicable

SECTION L STATUTORY REQUIREMENTS

L. 1 Section 40(4) WMA

Indicate how all the requirements of Section 40(4)[(a) to(1)] of the Waste Management

Acts 1996 to 2003 will be met.

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

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

Attachment included	yes 🖂	no	not applicable
---------------------	-------	----	----------------

L.2 Fit and Proper Person

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

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



- Provide details of the applicant's technical knowledge and/or qualifications, along with that of other relevant employees (Link to Section C.1 of the application).
- Provide information to show that the person is likely to be in a position to meet any financial commitments or liabilities that may have been or will be entered into or incurred in carrying on the activity to which the application relates or in consequence of ceasing to carry out that activity (Link to Section K of the application).

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

Attachment included	yes 🖂	no	not applicable

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SECTION M DECLARATION

Declaration

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

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

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

ne ^g	rige.
Signed by:	Date : 16th April 2010
Print signature name: JAMES OF DOWN ALL	
Print signature name: TAMES TO DEVIDANT For integral to a printing the correction of the correction	
	Company stamp or seal:



ANNEX 1 STANDARD FORMS

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

TABLE E.1(i) LANDFILL GAS FLARE EMISSIONS TO ATMOSPHERE Emission Point:



Characteristics of Emission:

СО			mg/m ³
Total organic carbon (TOC)			mg/m ³
NOx	0°C.	3% O ₂ (Liquid or Gas), 6	mg/Nm³ % O₂(Solid Fuel)
Maximum volume of emission			m ³ /hr
Temperature	°C(max)	°C(min)	°C(avg)

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

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



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

Emission Point Ref. No:	D1				
Source of Emission:	Dust generated from on-site traffic	movement			
Location:	At southeast of facility inside perinadjacent to inner estate road				
Grid Ref. (12 digit, 6E,6N):	309700E; 230622N				
Vent Details	Not applicable				
Diameter:					
Height above Ground(m):					
Date of commencement: August 2006					
		350 mg/m ² d			
(i) Volume to be emitted Average/day 75.25 Maximum rate/hour	d: purpose and authorities. 5 mg/m²/decitor purpose Maximum/day For mainly h Min efflux velocity	350 mg/m ² d m.sec ⁻¹			
(i) Volume to be emitted Average/day 75.25 Maximum rate/hour	d: purpose and authorities. 5 mg/m²/decitor purpose Maximum/day For mainly h Min efflux velocity				
(i) Volume to be emitted Average/day 75.25 Maximum rate/hour	d: purpose and authorities. 5 mg/m²/decitor purpose Maximum/day For mainly h Min efflux velocity				
(i) Volume to be emitted Average/day 75.25 Maximum rate/hour (ii) Other factors	d: the purpose of the transport of the t	m.sec ⁻¹			

 $^{^{\}star}$ Explanatory Note: Average/day is the figure that was calculated and submitted in 2009 PRTR Returns



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

Emission Point Ref. $N^{\underline{o}}$:	D2			
Source of Emission:	Dust gene	rated from on-site traffic	movement	
Location:	At west of facility, separating the Facility from Turnpike Road			
Grid Ref. (12 digit, 6E,6N):	309384E;	230567N		
Vent Details Diameter:	Not applie	cable		
Height above Ground(m):				
Date of commencement:	August 20	006 _{se} .		
(i) Volume to be emitted	ed: pection	Maximum/day		
Average/day 1-	41.4 mg/mi/d	Maximum/day	350 mg/m ² d	
Maximum rate/hour	nsent of collection m ³ /h	Min efflux velocity	m.sec ⁻¹	
(ii) Other factors				
Temperature	°C(max)	°C(min)	-C(avg)	
For Combustion Sources: N	lot applicable			
Volume terms expressed as	: □ we	t. \square dry. $_$	%O ₂	
iii) Period or periods during seasonal variations (star		ns are made, or are to be made, to be included):	including daily or	
Periods of Emission (avg)		min/hrhr/day	day/yr	

 $^{^{\}star}$ Explanatory Note: Average/day is the figure that was calculated and submitted in 2009 PRTR Returns

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

Emission Point Ref. N	Ţ <u>0</u> :	D3							
Source of Emission:		Dust gene	Dust generated from on-site traffic movement						
Location:			In north boundary of facility on fence separating facility form industrial estate road						
Grid Ref. (12 digit, 6E	,6N):	309495E;	230759N						
Vent Details Diame	eter:	Not applicable r:							
Height above Ground	(m):								
Date of commencement: August 2006									
(i) Volume to be e	emitted	iga	Maximum Min efflux	Sitte.					
Average/day	71	4 mg/m 3dt	Maximum	/day	350 mg/m ² d				
Maximum rate/hour	n/	a of m ³ /h	Min efflux	n/a m.sec ⁻¹					
(ii) Other factors	Cons	9'							
Temperature		°C(max)	0(C(min)	°C(avg)				
For Combustion Source	es: No	<u>t applicable</u>							
Volume terms express	ed as:	□ we	t. 🗆	dry	%O ₂				
(iii) Period or periods seasonal variation					including daily or				
Periods of Emission (a	avg)		min/hr	hr/day	day/yr				

* Explanatory Note: Average/day is the figure that was calculated and submitted in 2009 PRTR Returns

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

Emission Point Reference Number:_____

Parameter	Prior to treatment ⁽¹⁾ Brief			As discharged ⁽¹⁾							
	mg/l	Nm³	kg	g/h	description	mg/	Nm³	kg	g/h.	kg/	year
	Avg	Max	Avg	Max	of treatment	Avg	Max	Avg	Max	Avg	Max
				Consent of C	inspection autorized to 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

Emission point	Description		Emission	details ¹		Abatement system employed
Reference Numbers		material	mg/Nm ³⁽²⁾	kg/h.	kg/year	
	C	For its period to be a feet of copyright	on or required to	any other tise.		

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

(One page for each emission)

Emission Point:

Emission Point Ref. Nº:	SW-1	
Source of Emission:	Rainwater run-off form facility yard	
Location:		det is
Grid Ref. (10 digit, 5E,5N):	309601E; 230747N River Carmac On Interest and Control of Site 2001 (Site 2011) (Site 201	
Name of receiving waters:	River Carmac ston pure require	
Flow rate in receiving	Not measuredm³.sectory Weather Flow	
waters:	Not Measured .sec 95%ile flow	
Available waste assimilative capacity:	Not measured Consent of kg/day	

Emission Details:

(i) Volume to be emitted						
Normal/day	Not measured m ³	Maximum/day	Not specified m ³			



Maximum rate/hour Not measured m ³

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

Periods of Emission (avg)	min/hr	hr/day	day/yr
(6)			

Consent of copyright owner recuired for any other use.



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

Emission point reference number: SW-1

	Prior to t	reatment			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	
				्र जो प्राप्त वर्षे		0.72*	264.41*	
				Outgostifed		3.74*	1364.11*	
			్జర	on verice		5.02*	1832.84*	
			्वां गडिये	0		0.02*	10.58*	
			* of coby			<0	0*	
			Onseni					
	average	Max. hourly Max. daily average	Max. hourly average (mg/l) Max. daily average (mg/l) kg/day	Max. hourly average (mg/l) kg/day kg/year kg/year	Max. hourly average (mg/l) Max. daily average (mg/l) Average (mg/l) Concent of contribution by the contribution of the cont	Max. hourly average (mg/l) Max. daily average (mg/l) kg/year Max. hourly average (mg/l) Max. daily average (mg/l) Max. daily average (mg/l)	Max. hourly average (mg/l) Max. daily average (mg/l) Max. daily average (mg/l) Reg/day Reg/gear Max. hourly average (mg/l) Max. daily average (mg/l) Max. daily average (mg/l) O.72* 3.74* 5.02* 0.002* Consects of constituted to the first testing and the	Max. hourly average (mg/l) Max. daily average (mg/l) Max. daily average (mg/l) Max. hourly average (mg/l) Max. hourly average (mg/l) Max. hourly average (mg/l) Max. daily average (mg/l) 0.72* 264.41* 3.74* 1364.11* 5.02* 1832.84* 0.02* 10.58* 0.00*

^{*} Explanatory Note: Average/day is the figure that was calculated and submitted in 2009 PRTR Returns

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

Emission Point:

Emission Point Ref. Nº:	SE-1
Location of connection to sewer:	
Grid Ref. (10 digit, 5E,5N):	309630E; 230718N
Name of sewage undertaker:	South Dublin County Council

Emission Details:

(i) Volume to be emitted	ed		
Normal/day	0.2m ³	Maximum/day ^e .	15m ³
Maximum rate/hour	5m ³	्रहे जीते. यात्रे जिल्ला कार्ये जुड़े विकास करिया कार्ये जुड़े कि ज	

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

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



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

Emission point reference number: SE-1

Parameter		Prior to t	reatment			As discharged			% Efficiency
	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	
BOD					For its getion purposes only is the for some required for some req	other use	1.88*	687.97*	
COD					only.	MY C	5.66*	2066.95*	
Suspended Solids					utloses die		1.50*	547.39*	
Sulphates (as SO ₄)					chan be rea		0.51*	184.62*	
Oils, fats and greases					a in spet out		0.19*	70.35*	
Mineral oils					Ecopylis.		<0	0*	
Detergents				1	nt or		<0	0.95*	
Zinc				Cor			<0	0.03*	
Copper							<0	0.14*	

^{*} Explanatory Note: Average/day is the figure that was calculated and submitted in 2009 PRTR Returns

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

Emission Point or Area:

Emission Point/Area Ref. Nº:	
Emission Pathway: (borehole, well, percolation area, soakaway, landspreading, etc.)	
Location:	di da
Grid Ref. (10 digit, 5E,5N):	OSES OUT OF AUTO
Elevation of discharge: (relative to Ordnance Datum)	geolich burge leduite
Aquifer classification for receiving groundwater body:	For install
Groundwater vulnerability assessment (including vulnerability rating):	Consent of Copyright owner required for any of the Consent of Copyright owner required for any of the Copyright owner required for any of the Copyright owner required for the Copyright owner require
Identity and proximity of groundwater sources at risk (wells, springs, etc):	
Identity and proximity of surface water bodies at risk:	



Emission Details:

(i) Volume to be emitt	red		
Normal/day	m ³	Maximum/day	m ³
Maximum rate/hour	m ³		

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

Periods of Emission (avg)	hr/day	dayayrany
		25.

For its pection purple rective

Table E.5(i): NOISE EMISSIONS

Noise sources summary sheet

Source	Emission point Ref. No	Equipment Ref. No	Sound Pressure ¹ dBA at reference distance	Octave bands (Hz) Sound Pressure ¹ Levels dB(unweighted) per band						Impulsive or tonal qualities	Periods of Emission			
			,	31.5	63	125	250	500	1K	2K	4K	8K		
							308	Tise.						
							d. of oth							
						ું હું કું સ	iot and other							
					an Pi	1700 jijo								
				.100	Pecifornie									
				For in the confusion of	\$6									
				sent of s										

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



TABLE F.1: ABATEMENT / TREATMENT CONTROL

Emission point reference number :_____

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

Control ¹ parameter	Monitoring to be carried out ³	Monitoring equipment	Monitoring equipment calibration
	Foritistesti	on purposes with row they other	

List the operating parameters of the reatment / abatement system which control its function.

List the equipment necessary for the proper function of the abatement / treatment system.

List the monitoring of the control parameter to be carried out.

TABLE F.2: EMISSIONS MONITORING AND SAMPLING POINTS -

(1 table per media)

Emission Point Reference No(s). : D1; D2; D3

Parameter	Monitoring frequency	Accessibility of Sampling Points	150.
4		Monitoring points will remain	ather
Dust Deposition	Bi-annual	permanently accessible	14. mg
			offora
		No.	leg ,
		Pulsedi	
		gion get	
		ंग्रिकी वर्षे	
		Accessibility of Sampling Points Monitoring points will remain permanently accessible to inspect of the free transfer of the free tra	
		Consent of C	

TABLE F.3: EMISSIONS MONITORING AND SAMPLING POINTS - (1 table per media)

Emission Point Reference No(s). : SW-1

Parameter	Monitoring frequency	Accessibility of Sampling Points
Visual Inspection	Daily	Monitoring points will remain permanently accessible
Temperature	Quarterly	Monitoring points will remain
рН	Quarterly	Monitoring points will remain permanently accessible Monitoring points will remain permanently accessible Monitoring points will remain permanently accessible
Conductivity	Daily	Monitoring points will remain permanently accessible
BOD	Quarterly	Monitoring points will within permanently accession
COD	Quarterly	Monitoring points will remain permanently accessible
Suspended Solids	Quarterly	Monitoring points will remain permanently accessible
Total Ammonia	Quarterly	Monitoring points will remain permanently accessible
Mineral Oils	Quarterly	Monitoring points will remain permanently accessible

TABLE F.4: EMISSIONS MONITORING AND SAMPLING POINTS

(1 table per media)

Emission Point Reference No(s). : SE-1

Parameter	Monitoring frequency	Accessibility of Sampling Points			
Flow	Quarterly	Monitoring points will remain			
T	Market	permanently accessible			
Temperature	Monthly	Monitoring points will remain			
nLI	Monthly	permanently accessible Monitoring points will remain			
рН	Monthly				
BOD	Monthly	Monitoring points will remain			
DOD	Withinity	permanently accessible Monitoring points will remain permanently accessible Monitoring points will remain permanently accessible will remain permanently accessible will remain permanently accessible.			
COD	Monthly	Monitoring points will remain ver			
		permanently accessible is			
Suspended Solids	Monthly	Monitoring points with remain			
		permanently accessible?			
Sulphates (as SO ₄)	Monthly	Monitoring points will remain			
		permanently accessible			
Oils, fats and greases	Monthly	Monitoring points will remain			
		permanently accessible			
Mineral Oils	Monthly	Monitoring points will remain			
		permanently accessible			
Detergents	Monthly	Monitoring points will remain			
		permanently accessible			
Zinc	Monthly	Monitoring points will remain			
		permanently accessible			
Copper	Monthly	Monitoring points will remain			
		permanently accessible			

ANNEX - Standard Forms



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

Monitoring Point Reference No:_____

	24 1 1 2		P
Parameter	Monitoring frequency	Accessibility of	
		Sampling point	
		1 01	
			nse.
			net
			otti
			17. and
			2015 of the
			Se So
			arreality
			15, 460x
		cito	nei
		in dhi	
		FO WILL	
		cox.	
		X _O	
		Sampling point For inspection Consent of copyright of	
		Cotte	

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

	Material/ Substance ⁽¹⁾	CAS Number	Danger ⁽²⁾ Category	Amount Stored	Annual Usage	Nature of Use	R ⁽³⁾ - Phrase	S ⁽⁵⁾ - Phrase
Ref. Nº or Code								
Code				14.	other use.			
				our posited for ?	S. C.	¥		
			od italia	kett				
			gen d copy					
			Kot inspection to the first of copyright of	Put Fedur				

Notes: 1.

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

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

Waste material	EWC Code	Main source ¹	Quantity	On-site Recovery/Disposal	Off-site Recovery, reuse or recycling	Off-site Disposal
			Tonnes / m ³ / month month	(Method & Location)	(Method, Location & Undertaker)	(Method, Location & Undertaker)
				ALISE.		
			South and	*		
			ion Pittostited i			
			Consent of copyright owner required for any of			
			esent of cop's			
			Corr			

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



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

Waste material	EWC Code	Main source ¹	Quantity		On-site recovery/disposal ²	Off-site Recovery, reuse or recycling	Off-site Disposal
			Tonnes / month	m ³ / month	(Method & Location)	(Method, Location & Undertaker)	(Method, Location & Undertaker)
,					oller use.		
					esonity any o		
				an Pitto	inter		
				etion of rel			

Oxigen Environmental Ltd. Review of Waste Licence W0208-01

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 A rechment H.1

Consent of contract the contract of the contract of



Table I.2(i) SURFACE WATER QUALITY

(Sheet 1 of 2) Monitoring Point/ Grid Reference: _____SW-1___

Parameter	(mg/l)				Sampling method ² (grab, drift etc.)	Normal Analytical Range ²	Analysis method / technique
	Mar-09	May-09	Aug-09	Nov-09	يي.		
pH	7.33	6.85	8.07	8.15	Grab Grab Grab Grab Grab Grab Grab Grab		pH electrode
Temperature	7.5	6.7	7.9	6.7	Graby of		Thermometer
Electrical conductivity EC	-	-	-	-	es off for the	-	-
Ammoniacal nitrogen NH ₄ -N	-	-	-	-	KPOStred		-
Chemical oxygen demand	45	9	58	115.00	Grab		Standard Method
Biochemical oxygen demand	6	4	7	27ect 041	Grab		Standard Method
Dissolved oxygen DO	-	-	-	Of intell			
Calcium Ca	-	-	-	CODY			
Cadmium Cd	-	-	-	otor -			
Chromium Cr	-	-	- Cour	-			
Chloride Cl	-	-	-	-			
Copper Cu	-	-	-	-			
Iron Fe		-	-	-			
Lead Pb	-	-	-	-			
Magnesium Mg	-	-	-	-			
Manganese Mn	-	-	-	-			
Mercury Hg	-	_	-	-			



Surface Water Quality (Sheet 2 of 2)

Parameter	Results (mg/l)				Sampling method (grab, drift etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
Nickel Ni	-	-	-	-			
Potassium K	1-	-	-	-			
Sodium Na	-	-	-	-		_	
Sulphate SO ₄	-		-	-	æ.		
Zinc Zn	_	-	-	-	net 118		
Total alkalinity (as CaCO ₃)	-	-	-	-	24. 24 off		
Total organic carbon TOC	-	-	-	-	as off of all	*	
Total oxidised nitrogen TON	-	-	-		170 sired		
Nitrite NO ₂	-	-	:	017	toles of the table of the tree.		
Nitrate NO ₃	-	-	-	-Decite Will	p*		
Faecal coliforms (/100mls)	-	-	-	्रांगुडींगेर			
Total coliforms (/100mls)	-	-	-	COPY			
Phosphate PO ₄	-	-	-	dot -			



Table I.4(i) GROUNDWATER QUALITY (Sheet 1 of 2) Monitoring Point/ Grid Reference:

Parameter			esults ng/l)		Sampling method (composite etc.)	Normal Analytical Range	Analysis method/ teehnique
	Date	Date	Date	Date			
pH							
Temperature							
Electrical conductivity EC							
Ammoniacal nitrogen NH ₄ -N							
Dissolved oxygen DO					or any after use.		
Residue on evaporation					ather		
(180°C)				\ \ \dot{\dot{\dot{\dot{\dot{\dot{\dot{	4. 2014 C		
Calcium Ca				26. Y	of		
Cadmium Cd				althalite			
Chromium Cr				tion of rect			
Chloride Cl			۾ ڍُ	So Oth			
Copper Cu			tor it	Sign			
Cyanide Cn, total			, cos,				
Iron Fe			ento				
Lead Pb	1		Cons				
Magnesium Mg							
Manganese Mn							
Mercury Hg							
Nickel Ni							
Potassium K							
Sodium Na							



GROUNDWATER QUALITY (SHEET 2 OF 2)

Parameter	Results (mg/l)			Sampling method (composite, dipper etc.)	Normal Analytical Range	Analysis method / technique	
	Date	Date	Date	Date			
Phosphate PO ₄							
Sulphate SO ₄					/		
Zinc Zn							
Total alkalinity (as CaCO ₃)							
Total organic carbon TOC							
Total oxidised nitrogen TON					Q.*		
Arsenic As					only any offer use.		
Barium Ba					1. Volite		
Boron B					COLOT ALL	*	
Fluoride F				70 ⁹⁵	red		
Phenol				n pulted	,		
Phosphorus P				ection net			
Selenium Se				ringlit o			
Silver Ag	1		<u> </u>	OSALL .			
Nitrite NO ₂			્રહ				
Nitrate NO ₃			onsent.				
Faecal coliforms (/100mls)			60				
Total coliforms (/100mls)							
Water level (m OD)							



Table I.6(i) Ambient Noise Assessment

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

1. SITE BOUNDARY	(5N, 5E)	L(A) _{eq}	$L(A)_{10}$	TIAN
		1 / 24	L(A)10	$L(A)_{90}$
DOCTOPART				
Location 1:				
Location 2:				
Location 3:				
Location 4:				
2. NOISE SENSITIVE LOCATIONS				
Location 1:	NSL1	70.3	70.5	62.2
Location 2:				
Location 3:			Ø1*	
Location 4:			of list	
	be identified on accompa	Section purposes only	S and	

ANNEX - Standard Forms