

SECTION D INFRASTRUCTURE & OPERATION

D.1 Infrastructure

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

Table	D.1. Infrastructure	y/n	Comments
D.1.a	Site security arrangements including gates and fencing	Y	
D.1.b	Designs for site roads	Y	
D.1.c	Design of hardstanding areas	Y	
D.1.d	Plant	Y	
D.1.e	Wheel-wash	N	
D.1.f	Laboratory facilities	N	
D.1.g	Laboratory facilities Design and location of fuel storage areas Output Design and location of fuel storage areas	Y	
D.1.h	Waste quarantine areas	Y	
D.1.i	Waste inspection areas it of the restriction areas	Y	
D.1.j	Traffic control	Y	
D.1.k	Sewerage and surface water drainage infrastructure	Y	
D.1.1	All other services	Y	
D.1.m	Plant sheds, garages and equipment compound	N	
D.1.n	Site accommodation	Y	
D.1.0	A fire control system, including water supply	Y	
D.1.p	Civic amenity facilities	N	
D.1.q	Any other waste recovery infrastructure	N	
D.1.r	Composting infrastructure	N	
D.1.s	Construction and Demolition waste infrastructure	Y	
D.1.t	Incineration infrastructure (if applicable).	N	
	Provide information to fulfil Article 4 (2) & (3) of the Incineration of Waste Directive		
D.1.u	Any other infrastructure	Y	ESB SUBSTATION

D.2 Facility Operation

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

Attachment included	yes 🖂	no	not applicable
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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 only</u> (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 NOT APPLICABLE

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

D.4 Leachate Management

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

TABLE D.4.1 LEACHATE MANAGEMENT ARRANGEMENTS NOT APPLICABLE

		y/n	Comments
D.4.a	Is there a Leachate Management Plan?		
D.4.b	Have annual quantities of leachate been calculated?		
D.4.c	Has the total quantity of leachate been calculated?		
D.4.d	Have the size of the cells been specified taking account of the water balance calculations?		
D.4.e	Has a leachate collection system been specified?		
D.4.f	Has a leachate storage system been specified?		
D.4.g	Has a system for monitoring the level of teachate in the waste been designed?		
D.4.h	Is leachate recirculation proposed/practised?		
D.4.i	Has leachate treatment on site been specified?		
D.4.j	Has leachate removal been specified?		

D 5 Landfill Gas Management NOT APPLICABLE

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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 NOT APPLICABLE

	.s. Landini Gas Management NOT ATTE	y/n	Comments
		y/H	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.5 e	Have measures been installed to prevent landfill gas migration (e.g. barriers)?	iy other i	<u>စ</u> ်.
D.5f	Has a time-scale been proposed for the installation of landfill gas infrastructure?		
D.5g	Is gas flaring undertaken at the site?		
D.5h	Is there an active (i.e., pumped) landfill gas extraction system?		
D.5i	Does the active system cover all of the filled area?		
D.5j	Is landfill gas used to generate energy at the site?		
D.5k	Have emissions from the flarestack and utilisation plant been assessed for source, composition, quantity and level and rate?		
D.51	Has a maintenance programme for the control system been specified?		
D.5m	Has a condensate removal system been designed?		



D.6 Capping System - NOT APPLICABLE

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		ei ise.	
	does it meet the requirements of the Landfill Directive Annex 1 (3.3)?		
D.6e	Does the Capping System include a flexible membrane liner?		
D.6f	Have all capping materials been specified?		
D.6g	Has a Method Statement for construction been produced?		
D.6h	Has a Quality Control Plan been produced?		
D.6i	Has a Quality Assurance Plan been produced?		
D.6j	Has a programme for monitoring landfill stability been developed?		
D.6k	Has a programme for monitoring landfill settlement been developed?		



SECTION E EMISSIONS

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

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

E.1 Emissions to Atmosphere

Details of all point emissions to atmosphere should be supplied. Table E.1.(i) (for Landfill Gas Flare emissions) must be completed for all landfills with a flare. Complete Table E.1(ii) and E.1(iii) for <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.

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

Supporting information should form Attachment E.4

E.5 Noise Emissions

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

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

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

E.6 Environmental Nuisances

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

TABLE E.6 ENVIRONMENTAL NUISANCES

Bird Control	Control method specified	yes 🖂	no	not applicable
	Attachment included	yes 🖂	no	not applicable
Dust Control	Control method specified	yes 🖂	no	not applicable
	Attachment included	yes 🖂	no	not applicable
Fire Control	Control method specified	yes 🖂	no	not applicable
	Attachment included	yes 🖂	no	not applicable
Litter Control	Control method specified	yes 🖂	no 🗌	not applicable
	Attachment included	yes 🔀 🔀	no	not applicable
Traffic Control	Control method specified	ses dio	no	not applicable
	Attachment included	yiii yes 🖂	no	not applicable
Vermin Control	Control method citonic specified in the control method	yes 🖂	no	not applicable
	Attachment included	yes 🖂	no	not applicable
Road Cleansing	Control method specified	yes 🖂	no	not applicable
	Attachment included	yes 🖂	no	not applicable



SECTION F CONTROL & MONITORING

F.1: Treatment, Abatement and Control Systems

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

Monitoring Arrangements specified	yes State no	not applicable
Monitoring points identified, (plus	yes no	not applicable
12-figure grid references)	an pur redu	
Attachment included	yes ⊠ no□	not applicable

F.7 Meteorological Data

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⊠

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

NOT APPLICABLE

F.8 Leachate

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

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 / utilisation plants

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

Hydrogen Fluoride			7 112			
Table F.9(b) Landfill	Gas Monitorir	ng .	rilly, stry other			
Parameter	Proposed F of Analysis	Sulfallit	Information Included Y/N	Method Analysi	Inclu	mation ded Y/N
	Gas boreholes / vents/ wells/ perimeter locations	Facility Office				
Methane (CH ₄) % v/v	, c C	62,				
Carbon Dioxide (CO ₂) % v/v	dolo					
Oxygen (O ₂) % v/v	\$ 0115°C					
Atmospheric Pressure	0					
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 included	yes 🗵 💮 n	10	not applicable
G.2 Energy Efficiency			
A description of the energy u Attachment G.2 .	sed in or generated by	y the a	ctivity must be provided in
Attachment included	yes kan in the different	0	not applicable
	For itisperial to where		



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 Mar	agement Act	Waste Mar	nagement Act
3rd Schedule (D	3rd Schedule (Disposal) Activities		ecovery) Activities
Class of	Quantity (tpa)	Class of	Quantity (tpa)
Activity		Activity	
Applied For		Applied For	
Class 1		Class 1	26.
Class 2		Class 2	2160000
Class 3		Class 3	25000
Class 4		Class &	30000
Class 5		Class 5	
Class 6		Class 6	
Class 7		Glass 7	
Class 8	4	Class 8	
Class 9	, 1115	Class 9	
Class 10	FOY ON	Class 10	
Class 11	20000	Class 11	
Class 12	5000 entit	Class 12	
Class 13	5000 0015	Class 13	5000

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) Ined 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)
2009	50000	0	50000
2010	250000	0	250000



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		50,000	UNKNOWN
Commercial		110000	UNKNOWN
Sewage Sludge		0	0
Construction and Demolition		60000	UNKNOWN
Industrial Non- Hazardous Sludges		0	0
Industrial Non- Hazardous Solids		30000	UNKNOWN
Hazardous *(Specify detail in Table H 1.2)		O OSE COUNTY OFFICE USE.	0
Inert Waste imported for restoration purposes	COMPLETON COMPLETON	all all	AMINATED LAND

* 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		0	0
Oil filters		0	0
Asbestos		0	0
Paint and Ink		0	0
Batteries		0	0
Fluorescent Light Bulbs		0	0
Contaminated Soils		0	0
OTHER HAZAI	RDOUS WASTE (APPLICANT	TO SPECIFY)	
			0

Attachment H.1 should contain any relevant additional information.

epa

WASTE Application Form

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

H.2 Waste Acceptance Procedures

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

H.3 Waste Handling

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

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

H.3a Waste Handling at the Landfill Facility of the State whether all waste will be State whether all waste will be subject to treatment prior to landfilling. Provide information as to the quantities of biodegradable municipal waste and how the targets of the Landfill Directive (1999/31/EC) relating to that waste type are to be achieved. In particular describe how the following will be achieved:

- (a) a reduction by 16/07/06 to 75% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available;
- (b) a reduction by 16/07/09 to 50% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available;
- (c) a reduction by 16/07/16 to 35% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available:
- (d)Evidence should be provided to show that energy will be used efficiently.

H.4 Waste Arisings

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



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

SECTION I EXISTING ENVIRONMENT & IMPACT OF THE FACILITY

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

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

I.1.Assessment of atmospheric emissions

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

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

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

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

I.2. Assessment of Impact on Receiving Surface Water

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

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

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



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) mould be completed.

I.5 Ground and/or groundwater contamination

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

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

I.6 Noise Impact.

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

Ambient noise measurements

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

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



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

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

I.7 Assessment of Ecological Impacts & Mitigation Measures

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

SECTION J ACCIDENT PREVENTION & EMERGENCY RESPONSE

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

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

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

Supporting information should form Attachment J.

Attachment included	yes 🖂	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.

A 440 ob mont in alredod	voc 🗸		not applicable
Attachment included	yes ⊠	no	not applicable

SECTION L STATUTORY REQUIREMENTS

L. 1 Section 40(4) WMA

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

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

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

Attachment included	yes 🖂	no	not applicable

L.2 Fit and Proper Person

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

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



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

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

Attachment included	yes ⊠	no	not applicable





SECTION M DECLARATION

Declaration

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

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

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

ton behalf of the organisation)	ate : 10/2/59
Print signature name: Eamon Water great and	
Position in organisation: Consent of confident and confid	
Consent	Company stamp or seal:
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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 Ref. N ^c	2.			
Location:				
Grid Ref. (12 digit, 6E,	6N):			
Vent Details Diamet Height above Ground(m):	tedifed for any of	get use	
Date of commencement emission:	for whigh			
	250			
Characteristics of Emis	250			mg/m ³
	sion ^e			mg/m ³
СО	sion ^e		% O ₂ (Liquid or Gas), 69	mg/m ³
CO Total organic carbon (T	COC)			mg/m ³
CO Total organic carbon (T NOx	COC)			mg/m ³ mg/Nm ³ % O ₂ (Solid Fuel)
CO Total organic carbon (T NOx Maximum volume of e Temperature (i) Period or period	COC)	°C(max)	% O ₂ (Liquid or Gas), 69 °C(min) nade, or are to b	mg/m³ mg/Nm³ % O ₂ (Solid Fuel) m³/hr °C(avg)

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

Emission Point Ref. Nº:	Odour ma Agency	nagement system To Be Ag	reed with the
Source of Emission:	Air Extra	ction MSW Building	
Location:	To be Agr	reed	
Grid Ref. (12 digit, 6E,6N):			
Vent Details Diameter:			
Height above Ground(m):			
Date of commencement:			
Characteristics of Emission : (i) Volume to be emitted		nposes and and other use.	
Average/day	m³/dtos	Maximum/day	m³/d
Maximum rate/hour	For Magno	Min efflux velocity	m.sec ⁻¹
(ii) Other factors	sent of Co		
Temperature	°C(max)	°C(min)	°C(avg)
For Combustion Sources: Volume terms expressed as:	□ we	t. □ dry	%O ₂
(iii) Period or periods during v seasonal variations (start-		ns are made, or are to be made, in to be included):	cluding daily or
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:

	kg/year	Max	
	(/ga/	Avg	
As discharged ⁽¹⁾	kg/h.	Max	
As discl	бү	Avg	
	mg/Nm³	Max	
	/gm	Avg	
Brief	description	of treatment	Consent of copyright owner required for any other use.
	/h	Max	Consent of consent
Prior to treatment ⁽¹⁾	ų/в̂ҳ	Avg	
Prior to tr	mg/Nm³	Max	
	[/āɯ	Avg	
Parameter			

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.



ı TABLE E.1(iv): EMISSIONS TO ATMOSPHERE

Minor /Fugitive

Abatement system employed				
	kg/year			
letails ¹	kg/h.			otter use.
Emission details ¹	$mg/Nm^{3(2)}$			ion pindse of the art
	material		ري	For inspection burges equired for art other tise.
Description		Dust – Vehicle Movements	Vehicle emissions	
Emission point	Reference Numbers	1	2	

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.

- •
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EMISSIONS TO SURFACE WATERS
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(One page for each emission)

Emission Point:

Emission Point Ref. Nº:	SW1
Source of Emission:	Roofs & Paved Areas
Location:	Discharge from Petrol Interceptorial sewer
Grid Ref. (10 digit, 5E,5N):	on purple
Name of receiving waters:	Stadium Business Park Storm Sewer
Flow rate in receiving waters:	m³.sec ⁻¹ Dry Weather Flow m³.sec ⁻¹ 95%ile flow
Available waste assimilative capacity:	kg/day

Emission Details:

(i) Volume to be emitted



Normal/day	_£ m	Maximum/day	m ³
Maximum rate/hour	m ³		

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

		: : ت	,
eriods of Emi	min/hr	hr/day	day/yr
		ent	,

For its begind the required for any other use of copyright owner required 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 :_______

% Efficiency		
	kg/year	
	kg/day	
As discharged	Max. daily average (mg/l)	
	Max. hourly average (mg/l)	od install one required for any other use.
	kg/year	or its feet of the copyright of the copy
reatment	kg/day C	
Prior to treatment	Max. hourly Max. daily average average (mg/l) (mg/l)	
	Max. hourly average (mg/l)	
Parameter		

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

Emission Point:

Emission Point Ref. Nº:	NONE
Location of connection to sewer:	
Grid Ref. (10 digit, 5E,5N):	
Name of sewage undertaker:	

Emission Details:

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

(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/hrhr/dayday/yr
Cor	



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

Emission point reference number :

% Efficiency		
	kg/year	
	kg/day	
As discharged	Max. daily average (mg/l)	
	Max. hourly average (mg/l)	Recht of copyright outlet required for any
	kg/year C	R ^{Selt}
reatment	kg/day	
Prior to treatment	Max. hourlyMax. dailykg/dayaverageaverage(mg/l)(mg/l)	
	Max. hourly average (mg/l)	
Parameter		

ther use

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

Emission Point or Area:

Emission Point/Area Ref. $\mathrm{N}^{\!2}$:	NONE
Emission Pathway: (borehole, well, percolation area, soakaway, landspreading, etc.)	ce
Location:	Fisent of
Grid Ref. (10 digit, 5E,5N):	of its of the control
Elevation of discharge: (relative to Ordnance Datum)	ion purposition pu
Aquifer classification for receiving groundwater body:	old and he decided
Groundwater vulnerability assessment (including vulnerability rating):	other
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 emitted	ted		
Normal/day	/day	m ³	Maximum/day	m ³
Maxim	simum rate/hour	m ³		

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

day/yr		
hridayi	5	
min/hr		
Periods of Emission (avg)		

stion purposes only any other use

Noise sources summary sheet - SEE NOISE IMPACT ASSESSMENT ı

Table E.5(i): NOISE EMISSIONS

Periods of Emission								
Impulsive or tonal qualities								
	8K							
and	4K							
l) per ba	2K							
z) eighted	1K							
Octave bands (Hz) Sound Pressure ¹ Levels dB(unweighted) per band	200							
Octave ure ¹ Leve	250						ध्ये, वयः	otheri
d Press	125					Poses	for	
Soun	63			ુક્ષ્	ction to owner	30		
	31.5		٠ ر خ	or this				
Sound Pressure ¹ dBA at reference distance		C	nsen.	of leaf				
Equipment Ref. No								
Emission point Ref. No								
Source								

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

TABLE F.1: ABATEMENT / TREATMENT CONTROL

SEE ATTACHMENT F

er :

Control ¹ parameter	Equipment ²	Equipment maintenance	Equipment calibration	Equipment back-up
Odour	To be Agreed			
Noise	Buildings			
Dust	Buildings			
Surface water sewer	Oil interceptor			
Foul Sewer	-			

Control ¹ parameter	Monitoring to be carried out ³	Monitoring equipment	Monitoring equipment calibration
Odour	daily	as only air,	
Noise	Bi Annually	To be Agreed	
Dust	Bi Annually	Bergerhoff Gauges	
Surface water sewer	Quarterly No emission Of Control of Contro	Chemical analysis - Grab	
Foul Sewer	No emission	Chemical analysis - Grab	
	Ment		

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



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

Emission Point Reference No(s). : SW1

			soli	A. and other use.
Accessibility of Sampling Points	For its per	an put	o dine	H. and other use.
Monitoring frequency	Quarterly			
Parameter	Electrical Conductivity, pH, Hydrocarbons			



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

Monitoring Point Reference No: DS-01, DS-02, DS-03

	o July oses	only, any other h	<u> </u>
Accessibility of Sampling point	Consent of copyright owner tenting		Accessibility of
Monitoring frequency	BI-ANNUAL (May – September)	Monitoring Point Reference No : N1, N2, NSL1, NSL2,	Monitoring frequency
Parameter	TOTAL, ORGANIC, INORGANIC DUST	Monitoring Point Referenc	Parameter

Parameter	Monitoring frequency	Accessibility of Sampling point
30-minute L(A)eq and will be carried out in accordance with the ISO1996: Acoustics - Description and Measurement of Environmental Noise.	BI-ANNUAL (May – September)	

Waste Licence Application Form.doc



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

S ⁽³⁾ -	Phrase										bstance.	
${\bf R}^{(3)}$ - ${\bf S}^{(3)}$ -	Phrase										omponent su	
Nature of Use											please give details for each co	
Annual	Usage (tonnes)	200,000	litres 200	litres	so nires 250	litres	400	litres	6500m^{3}		Substances,	se.
Amount Annua	Stored (tonnes)				-	_<	ality.	ises C	dfor dfor	any	e dangerous	
Danger ⁽²⁾	Category		Course 200	For State	inspect	LOWE					a number of distinct and available dangerous substances, please give details for each component substance.	
CAS	Number										ial comprises a	of SI N ² 77/94
Material/	Substance ⁽¹⁾	Diesel Oil	Hydraulic Oil	District front at	Dismiectant Odour Neutralisers		Engine Oil		Water		1. In cases where a material comprises	2. C.f. Atticle $2(2)$ of SI N^{2} ///94 3. C.f. Schedules 2 and 3 of SI N^{2} 77/94
Ref.	Nº or Code										Notes:	



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

Off-site Disposal	(Method, Location & Undertaker)	
Off-site Recovery, reuse or recycling	(Method, Location & Undertaker)	
On-site Recovery/Disposal	(Method & Location)	
Quantity	m ³ / month	Consent of copyright owner tentification and other use.
ъ	Tonnes / month	For inspection men
Main source ¹		Ç ^o '
EWC Code		
Waste material		

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



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

			•
Off-site Disposal	(Method, Location & Undertaker)		
Off-site Recovery, reuse or recycling	(Method, Location & Undertaker)		
On-site recovery/disposal ²	(Method & Location)	Consent of copyright ownerse	es of the any other use.
Quantity	m ³ / month	For its petion plus of the formal plus of the forma	ced to Attachment
Ona	Tonnes / month	Consent	ss for each waste.
Main source ¹			A reference should be made to the main activity/ process for each waste The method of disposal or recovery should be clearly described and refe
EWC Code			ould be made to the disposal or recover
Waste material			1 A reference sh 2 The method of



Table I.2(i) SURFACE WATER QUALITY

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

Parameter		Res (m	Results (mg/l)		Sampling method ² (grab, drift etc.)	Normal Analytical Range ²	Analysis method / technique
	Date	Date	Dace	Date			
Hd			nsent				
Temperature				¢o ^o			
Electrical conductivity EC				inspir			
Ammoniacal nitrogen NH ₄ -N				ectic			
Chemical oxygen demand				Whet	_e ují		
Biochemical oxygen demand					00 S		
Dissolved oxygen DO					only		
Calcium Ca					. 80°		
Cadmium Cd					oth		
Chromium Cr					J USB		
Chloride Cl					y *		
Copper Cu							
Iron Fe							
Lead Pb							
Magnesium Mg							
Manganese Mn							
Mercury Hg							

Surface Water Quality (Sheet 2 of 2)	2 of 2)						
Parameter		Re (n	Results (mg/l)		Sampling method (grab, drift etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
Nickel Ni							
Potassium K							
Sodium Na							
Sulphate SO ₄			ď				
Zinc Zn			nser				
Total alkalinity (as CaCO ₃)			2	\$ ⁰			
Total organic carbon TOC				inst opyt			
Total oxidised nitrogen TON				ectif on the			
Nitrite NO ₂				Whet	, in		
Nitrate NO ₃				Ś.	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		
Faecal coliforms (/100mls)					ned hed		
Total coliforms (/100mls)					ं वर्ष		
Phosphate PO ₄					A Old		



Table I.4(i) GROUNDWATER QUALITY

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

Parameter			sults		Sampling	Normal	Analysis
		u)	(mg/l)		method (composite	Analytical Range	method /
					etc.)	ivange.	anhiii.
	Date	Date	Date	Date			
pH							
Temperature							
Electrical conductivity EC							
Ammoniacal nitrogen NH ₄ -N							
Dissolved oxygen DO)	ÇÕ				
Residue on evaporation			Sent C				
(180°C)			çoi Stoo				
Calcium Ca			Dyffe Dyffe	Š,			
Cadmium Cd			di	citor			
Chromium Cr				Dull Dull			
Chloride Cl				Squi			
Copper Cu				on, ed to	£		
Cyanide Cn, total				i di	2		
Iron Fe					othe		
Lead Pb					USE		
Magnesium Mg							
Manganese Mn							
Mercury Hg							
Nickel Ni							
Potassium K							
Sodium Na							

GROUNDWATER QUALITY (SHEET 2 OF 2)

Parameter			Results (mg/l)		Sampling method	Normal Analytical	Analysis method /
		•	0		(composite, dipper etc.)	Range	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			Ö				
Arsenic As			isent				
Barium Ba			1 200	¢oʻ			
Boron B			, ,	insp avid			
Fluoride F				ction at or			
Phenol				Pur			
Phosphorus P				edit	ğ		
Selenium Se				0	only		
Silver Ag					· alli		
Nitrite NO ₂					othe		
Nitrate NO ₃					, USE		
Faecal coliforms (/100mls)							
Total coliforms (/100mls)							
Water level (m OD)							



Table I.6(i) Ambient Noise Assessment - See noise impact assessment report

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

	National Grid Reference	So	ound Pressure L	evels
	(5N, 5E)	L(A) _{eq}	$L(A)_{10}$	L(A)90
1. SITE BOUNDARY				
Location 1:				
Location 2:				
Location 3:				
Location 4:				
2. NOISE				
SENSITIVE				
LOCATIONS				
Location 1:				
Location 2:				
Location 3:				
Location 4:			TUSE.	
ΓE: All locations should b	Fig. 18	anying drawings.		