

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 schematics as appropriate.

For each Emission Point identified complete Table F.1 of the Annex, and include detailed descriptions and schematics of all abatement systems.

Attachment F.1 should contain any supporting information.

Attachment F.1

Stormwater Runoff

A stormwater treatment system is proposed on site. An interceptor for oil and solids separation is currently in operation on site and it is proposed to direct stormwater runoff from the interceptor to a lagoon and then to a reed bed which will discharge the treated stormwater to a percolation area. The Proposed Site Plan and Drawing No. DG0002-01 provides details on the layout of the stormwater treatment system. Attachment D.1k provides more details on design of the system.

Sewage Treatment

A septic tank is in use on site and a Puraflo system is proposed, which will be designed to cater for 12 people at 180 litres per person per day. This equates to a discharge quantity of 2.16 cubic metres per day to be treated by the system.

Effluent from processing

The processing of the mixed municipal waste produces an effluent. The existing processing shed drains to a holding tank of 4.55m³ capacity. Approx. 6.8m³ of effluent is produced per month based on outgoing weighbridge dockets from facility. The effluent is stored in the holding tank and transported to Killarney WWTP for treatment. The new processing building will have a similar effluent collection system.

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

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

Include details of monitoring/sampling locations and methods.

F.2 Air

- to include Dust, Odour

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

F.3 Surface Water

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

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

F.4 Sewer Discharge

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

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

F.5 Groundwater

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

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

F.6 Noise

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



WASTE Application Form

F.7 Meteorological Data

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

Attachment F2 Air

Drawing DG0001-05 provides details on the locations of air and dust monitoring points used in baseline monitoring. The grid references for these points are as follows:

Air/Dust Monitoring Points

A/D1	93639E	93904N
A/D2	93707E	93932N
A/D3	93336E	94385N
A/D4	94061E	93903N
A/D5	93605E	93766N

It is proposed to use 3 no. sampling locations for dust monitoring for licence compliance requirements (D1, D2 and D5).

Attachment F3 Surface Water

Figure 1 provides details on the locations of the surface water monitoring locations for baseline monitoring. Biological monitoring has been carried out on all the 5 no. locations. Chemical monitoring has been carried out on Site A and Site D only. The grid references for the surface water monitoring locations are as follows:

Site A	upstream of facility	9342E 9380N
Site B	upstream of facility	9357E 9384N
Site C	upstream of facility	Just downstream of Site B and downstream of very small drain from south GPS not possible because of tree cover.
Site D	downstream of facility	9374E 9395N
Site E	downstream of facility	9402E 9432N

It is proposed to use Site A, B and D as surface water monitoring locations for licence compliance requirements.

Attachment F6 Noise

Drawing DG0001-05 provides details on the locations of noise monitoring points at the facility. It is proposed to use these points for licence compliance monitoring. The grid references for these points are as follows:

N1	93724E 93942N
N2	93864E 94027N
N3	93588E 93838N



WASTE Application Form

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

F.8 Leachate

Table with 3 columns: Monitoring Arrangements specified, Monitoring points identified, Attachment included. Each row has checkboxes for yes, no, and 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

Table with 5 columns and 13 rows. Rows include Inlet (Methane, CO2, O2) and Outlet (Volumetric Flow Rate, SO2, NOx, CO, Particulates, etc.). A red watermark is present across the table.

Table F.9(b) Landfill Gas Monitoring

Table with 5 columns and 6 rows. Rows include Methane (CH4) % v/v, Carbon Dioxide (CO2) % v/v, Oxygen (O2) % v/v, Atmospheric Pressure, and Temperature.

Table F.9 (c) Landfill Gas Infrastructure

Table with 5 columns and 2 rows. Rows include Gas Collection System and Gas Control System.



WASTE Application Form

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

SECTION G RESOURCES USE & ENERGY EFFICIENCY

G.1 Raw Materials, Substances, Preparations and Energy

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

Attachment G.1

Electricity is used for lighting and heating in the offices. The site vehicles and on site generator require fuel usage.

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

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

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

Approximately 1020 units of electricity are used per annum

25,000 litres of fuel per annum are used on site.



WASTE Application Form

SECTION H MATERIALS HANDLING

H.1 Waste Types and Quantities – Existing & Proposed

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

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

Waste Management Act 3rd Schedule (Disposal) Activities		Waste Management Act 4th Schedule (Recovery) Activities	
Class of Activity Applied For	Quantity (tpa)	Class of Activity Applied For	Quantity (tpa)
Class 1		Class 1	
Class 2		Class 2	2,400
Class 3		Class 3	5,000
Class 4		Class 4	25,000
Class 5		Class 5	
Class 6		Class 6	
Class 7		Class 7	
Class 8		Class 8	
Class 9		Class 9	
Class 10		Class 10	
Class 11	15,000	Class 11	25,000
Class 12	15,000	Class 12	25,000
Class 13	15,000	Class 13	25,000

C& D Waste 17,000 tpa Recovery
 Organic Waste 2,400 tpa Recovery
 Dry Recyclables 5,600 tpa Recovery
 Total 25,000 tpa Recovery
 5,000 tpa of 17,000 C&D waste = metals Class 3

Residual Municipal Waste 15,000 tpa Disposal

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.

WASTE Application Form

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)
2004	16,500		16,500
2005	40,000		40,000
2006	40,000		40,000
2007	40,000		40,000
2008	40,000		40,000
2009	40,000		40,000

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	4,500	8,000	
Commercial	8,000	15,000	
Sewage Sludge			
Construction and Demolition	4,000	17,000	
Industrial Non-Hazardous Sludges			
Industrial Non-Hazardous Solids			
Hazardous *(Specify detail in Table H 1.2)			
Inert Waste imported for restoration purposes	COMPLETE FOR LANDFILL & CONTAMINATED LAND FACILITIES ONLY		
Total	16,500	40,000	

*The eventual tonnage of each waste category may vary between categories however the total waste intake of 40,000 tonnes per annum will not be exceeded.



WASTE Application Form

* TABLE H.1.2 HAZARDOUS WASTE TYPES AND QUANTITIES

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

Attachment H.1 should contain any relevant additional information.

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

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Attachment III

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WASTE Application Form

The different proposed waste types and their associated EWC Codes is given in the table below:

Waste	EWC Code
Paper and cardboard	20 01 01
Glass	20 01 02
Biodegradable kitchen and canteen waste	20 01 08
Wood other than that mentioned in 20 01 37	20 01 38
Plastics	20 01 39
Metals	20 01 40
Other fractions not otherwise specified	20 01 99
Biodegradable waste	20 02 01
Soil and stones	20 02 02
Other biodegradable wastes	20 02 03
Mixed municipal waste	20 03 01
Paper and cardboard packaging	15 01 01
Plastic packaging	15 01 02
Wooden packaging	15 01 03
Metallic packaging	15 01 04
Mixed packaging	15 01 06
Glass packaging	15 01 07
Concrete	17 01 01
Bricks	17 01 02
Tiles and ceramics	17 01 03
Mixture of concrete, bricks tiles and ceramics other than those mentioned in 17 01 06	17 01 07
Wood	17 02 01
Glass	17 02 02
Plastic	17 02 03
Mixed metals	17 04 07
Soil and stones other than those mentioned in 17 05 03	17 05 04
Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02, 17 09 03.	17 09 04

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*.



WASTE Application Form

No written procedure for waste handling and treatment processes has been formulated yet at the facility. Attachment D.2 describes the waste handling, operations and treatment processes.

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

H.3a Waste Handling at the Landfill Facility

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

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

H.4 Waste Arisings

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



Attachment H2 Waste Acceptance Procedure

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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 have no objection to the provision by the Agency or local authority of a copy of the application or parts thereof to any person.


Signed by : Sean Murphy
(on behalf of the organisation)

Date : 28/9/04

Print signature name: SEAN MURPHY

Position in organisation : MANAGING DIRECTOR

Company stamp or seal:



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www.aib.ie

PRIVATE & CONFIDENTIAL

DATE: 24 September 2004

TO: EPA Environmental Protection Authority
EPA Headquarters
PO Box 3000
Johnstown Castle
Co Wexford

REF: Killarney Waste Disposal Ltd

The following information is given in strict confidence for your private use only, and without any guarantee or responsibility on the part of the Bank or any of its officials.

Our accounts are in the name of a private limited company which, in the light of its dealings with us we would consider good for the purpose of your enquiry.

Mary Healy,

Attachment L.3 Bank Reference

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WASTE Application Form

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 <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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Attachment L.2

The applicant or another relevant person has not 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.

Details of the applicant's and employee's technical knowledge are shown in Section C.1.

Attachment L.3 provides details on financial provisions.

SECTION K REMEDIATION, DECOMMISSIONING, RESTORATION AND AFTERCARE

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

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

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

A Residual Management Plan has not been provided. However the facility will be decommissioned by clearing all wastes and residues and any contamination resulting from activities on site so the condition of the facility will not cause or be likely to cause environmental pollution. No restoration or aftercare will be required.

SECTION L STATUTORY REQUIREMENTS

L. 1 Section 40(4) WMA

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

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

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

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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Attachment L.3

Killarney Waste Disposal has sufficient funds to operate the facility and confirmation of sound financial standing of Killarney Waste Disposal is shown in Attachment L.3. KWD are fully aware of their environmental responsibilities and realise that financial provisions maybe required for decommissioning, aftercare and environmental pollution incidents

135 Storm & Flood

It is agreed that the Section is extended to cover damage caused by:
Storm, Tempest and Flood, excluding:

- (a) destruction or damage by frost, subsidence or landslip
- (b) destruction of or damage to fences and gates
- (c) destruction of or damage to external television and radio receiving aerials, aerial fittings and masts,
- (d) destruction of or damage to movable property in the open, and
- (e) the first €100 of each and every loss

266 Fire Brigade Charges

It is hereby declared and agreed that notwithstanding anything herein contained to the contrary the Insurance by Sections 1 and/or 2A of this Policy extends to indemnify the Insured in respect of such Fire Brigade Attendance Charges as may be levied by the Local Authorities in dealing with any fire which results in a claim under Sections 1 and/or 2A of this Policy (where applicable).

Subject otherwise to the terms and conditions (General & Special) of the Policy.

Note: it is agreed that this revised schedule is deemed to replace the original and/or subsequent schedules in accordance with your instructions

End Of Schedule

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129 Storm/Tempest

It is agreed that the Section is extended to cover Storm or Tempest, excluding:-

- (a) destruction or damage by:-
 - (i) the escape of water from the normal confines of any natural or artificial watercourse (other than water tanks, apparatus or pipes) or lake, reservoir, canal or dam
 - (ii) inundation from the sea, **whether resulting from Storm or Tempest or otherwise**
- (b) destruction or damage by Frost, Subsidence or Landslip
- (c) destruction of or damage to Fences or Gates
- (d) destruction of or damage to external television and radio receiving aerials, aerial fittings and masts, and
- (e) destruction of or damage to movable property in the open
- (f) the first €100 of each and every loss.

130 Burst Pipes

It is agreed that the Section is extended to cover damage caused by bursting or overflowing of water tanks, apparatus or Pipes, but excluding:-

- (i) destruction or damage by water discharged or leaking from an installation of automatic sprinklers
- (ii) destruction or damage caused whilst the building is unfurnished
- (iii) the first €100 of each and every loss

132 Impact by Own Vehicle

It is agreed that the Section is extended to cover damage caused by impact with the building or its boundary walls, fences, gates by any road vehicle, horses and cattle.

133 Aircraft

It is agreed that the Section is extended to cover damage caused by Aircraft and other aerial devices or articles dropped therefrom excluding destruction or damage occasioned by pressure waves caused by aircraft and other aerial devices travelling at sonic or supersonic speeds.

134 Explosion

It is agreed that this Section is extended to cover damage caused by Explosion but excluding:

- (a) destruction or damage (other than destruction or damage by fire resulting from Explosion) occasioned by the bursting of a boiler (not being used for domestic purposes only) economiser or other vessel, machine or apparatus in which internal pressure is due to steam only and belonging to or under the control of the Insured
- (b) damage to or destruction of vessels, machinery or apparatus or their contents resulting from the explosion thereof.



Business Multiperil Schedule

Policy Number: 00396902/04/01

Amendment

Code: A22KR04

Endorsement Number(s) attaching to and forming part of this Policy

115 Riot, Civil Commotion, Strikers, Locked-Out Workers or Persons taking part in Labour Disturbances or Malicious Persons excluding:

- (i) Loss or damage occasioned by or happening through confiscation or destruction or requisition by order of the Government or any Public Authority
- (ii) loss or damage resulting from cessation of work
- (iii) as regards destruction or damage (other than by Fire or Explosion) directly caused by malicious persons not acting on behalf of or in connection with any Political Organisation,
 - (a) Destruction or damage by burglary, housebreaking, larceny or theft
 - (b) the first €125 (One Hundred and Twenty Five Euro) of each and every loss, as ascertained after the application of the Conditions of Average

SPECIAL CONDITIONS

1. Insofar as this Endorsement relates to destruction or damage (other than by fire or explosion) caused by malicious persons, it is agreed and declared that it is a condition precedent to any claim that immediate notice of the destruction or damage shall have been given by the Insured to the Police Authority.
2. On the happening of any loss destruction or damage for which an indemnity is provided, by virtue of this Endorsement, full details of such loss destruction or damage shall be furnished to the Company within seven days.
3. THIS INSURANCE DOES NOT COVER
 - (a) Destruction or Damage directly or indirectly occasioned by or happening through or in consequence of war, invasion, act of foreign enemy, hostilities (whether war be declared or not), civil war, rebellion, revolution, insurrection or military or usurped power.
 - (b) Loss or destruction or damage to any property whatsoever or any loss or expense whatsoever resulting or arising therefrom, directly or indirectly caused by or contributed to, by, or arising from:
 - (i) ionising radiations or contamination by radioactivity from any nuclear fuel or from any nuclear waste from the combustion of nuclear fuel;
 - (ii) the radioactive, toxic, explosive or other hazardous properties of any explosive nuclear assembly or any nuclear component thereof.
 - (c) Consequential Loss or damage of any kind or description except loss of rent when such loss is included in the cover under the Policy.
4. For the purpose of this Endorsement pressure waves caused by aircraft and other aerial devices travelling at sonic or supersonic speeds shall not be deemed explosion.



Business Multiperil Schedule

Policy Number: 00396902/04/01

Amendment

Code: A22KR04

8. All Risks – Business Equipment

Not Insured

9. Personal Accident

Not Insured

10. Glass

Not Insured

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Business Multiperil Schedule

Policy Number: 00396902/04/01

Amendment

Code: A22KR04

5 Household Goods and Personal Effects of every description NIL

Total Sum Insured €714,000

N.B. The buildings are brick, stone or concrete built and roofed with slates, tiles, concrete, asphalt, metal or sheets or slabs composed of incombustible mineral ingredients except as shown on the proposal form and accepted by the Company

Endorsement/Warranty Number(s) Applicable

115 - Riot Civil Commotion, Strikers, Malicious Damage

Item No(s) 1 4

129 - Storm/Tempest

Item No(s) 1 4

130 - Burst Pipes

Item No(s) 1 4

132 - Impact by Own Vehicles

Item No(s) 1 4

133 - Aircraft

Item No(s) 1 4

134 - Explosion

Item No(s) 1 4

135 - Storm And Flood

Item No(s) 1 4

266 - Fire Brigade Charges

The Company's liability in respect of these charges shall not exceed €5,200

2. Consequential Loss

Not Insured

3. Book Debts

Not Insured

4. Theft

Not Insured

5. Cash

Not Insured

6. Employers Liability

€6,885.00

Limit of indemnity 1:

€13,000,000

Limit of indemnity 2:

Unlimited

Estimate of Wages:

Clerical & Administrative Staff

€25,000

Drivers Operators And Yardmen

€175,000

7. Public Liability

€27,540.00

Limit of indemnity 1: Any one occurrence

€2,600,000

Limit of indemnity 2: Any one period

Unlimited

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Business Multiperil Schedule

Policy Number: 00396902/04/01

Amendment

Code: A22KR04

Insured's Name and Address

KILLARNEY WASTE DISPOSAL LTD
 AUGHACURREEN
 KILLARNEY
 CO KERRY

Policy Number
 00396902/04/01

Renewal Date
 8th August

Premium
 €36,771.90

Period of Insurance

From **08 August, 2004** To **07 August, 2005**
 and any subsequent period for which the Insured shall pay and the
 Company shall accept the premium required for the renewal of this Policy.

Premises

- * AUGHACURREEN KILLARNEY
 CO KERRY
- * AUGHACURREEN AND ELSEWHERE CONNECTED WITH THE INSUREDS
 BUSINESS

Business or Occupation

Carrying on or engaged in the Business or Occupation of:
 Waste Disposal Company - Refuse Collector, Domestic Waste & Skip Hirer

Covers Operative

Section No.	Details	Sum Insured / Limit of Indemnity	Premium
1.	Fire (Premises/Contents)		€2,346.90
	Premises: AUGHACURREEN KILLARNEY CO KERRY		
	<u>Item Number</u>	<u>Description</u>	
	1	Buuilding Of Shed	€102,000
	2	Months Rent/Rates of said building	NIL
	3	Stock and materials in Trade the property of the Insured	NIL
	4	Trade and office Furniture Fixtures Fittings and Utensils and all other contents belonging to the Insured or for which he is responsible therein excluding Landlords Fixtures and fittings and property more specifically insured	€612,000

Environmental Excursion/Incident Report Form

Date: _____ Report Number _____ Excursion _____ Incident _____

Location: Tuam Business Park, Weir Road, Tuam, Co. Galway.

	Time	Date
Start time of event		
End of event		
Event became known		

Environmental Limits Exceeded

Parameter _____ Value _____ Limit _____

Details _____

Corrective action taken _____

External notification _____

Signed: _____

Approved: _____

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- 6.2.1.3 Communication of plan both internally and externally
- 6.2.1.4 The involvement of appropriate emergency services external to the facility
- 6.2.1.5 Emergency response team members and command structure
- 6.2.1.6 Information on the characteristics of chemicals
- 6.2.1.7 Alarm sequence, call-ins and evacuation
- 6.2.1.8 Emergency shutdown of individual processes and of the entire plant
- 6.2.1.9 Evacuation routes, headcount and meeting locations.
- 6.2.1.10 Containment and mitigation
- 6.2.1.11 Public relations and media response
- 6.2.1.12 Site security during and after episode
- 6.2.1.13 Procedures for contacting the appropriate governmental agencies and the information that must be reported to the agency.

6.3 Reporting:

- 6.3.1 A sequential report numbering system for excursions and events will be established.
- 6.3.2 A log book of each event including a brief description of the event will be maintained.

6.4 Communication:

- 6.4.1 All reports will be kept in the facility.
- 6.4.2 Galway County Council will be provided with a copy of the emergency response plans and informed of any Excursions

6.5 Training:

- 6.5.1 Personnel operating the waste transfer station must have attended a training course on emergency procedures.

6.6 Administration:

The activity file for this procedure shall reside in the office. Compliance with the procedures shall be confirmed through the presence of documentation for scheduled treatment inspections.

7.0 RELATED DOCUMENTS:

seepage or evaporation and is substantially recovered for its original intended use.
(Excluded events need not be reported under this policy).

5.0 RESPONSIBILITIES:

Specification Responsibility: Supervisor.

6.0 PROCEDURE:

6.1 Operations:

6.1.1 Environmental Emergencies that potentially may arise from the operation include:

6.1.1.1 Fire in the transfer station .

6.1.1.2 Accidental release of material to the sewer

6.1.1.3 Accidental spillage of waste from a container during transport

6.1.2 Emergency response plans will be developed for each environmental emergency identified.

6.1.3 Employees will receive the necessary training and protective equipment to handle the emergencies.

6.1.4 An emergency response drill will be conducted on an annual basis and adjustments to plans, training, resources and preventive measures will be made as necessary to improve the response to the extent possible.

6.1.5 All response plans, emergency phone lists, material safety data sheets, emergency equipment and supplies needed for environmental emergencies will be routinely checked and maintained in good condition at locations that are readily accessible at any time of the day or night to the people who may need them.

6.1.6 A current list of key emergency contacts and a list of agency contacts and emergency phone numbers will be displayed at the site entrance.

6.2 Emergency Response Plan Content:

6.2.1 Each emergency response plan will address the following issues:

6.2.1.1 Tasks of personnel

6.2.1.2 Equipment to contain and mitigate emergency situations

THIS PROCEDURE OUTLINES THE MEASURES TO BE TAKEN TO ENSURE THAT THE MATERIALS RECOVERY FACILITY IS PREPARED FOR EMERGENCIES. IT IS THE RESPONSIBILITY OF THE SUPERVISOR TO ENSURE THAT THIS SPECIFICATION IS ADHERED TO AND THAT IT IS MAINTAINED AND UPDATED.

1.0 PURPOSE:

To address any emergency situation which may originate on the facility and include provision for minimising the effects of any emergency on the environment.

2.0 POLICY

Three types of environmental events are defined below. An excursion is an event which results in a regulatory numerical limit being exceeded. An incident is an event where no regulatory numerical limit is exceeded. The fact that a numerical limit has been exceeded does not mean that an excursion is more significant than an incident. Excluded events are minor and routine operating emissions, drips, leaks etc.

3.0 SCOPE:

This procedure applies to the control of all activities within the perimeter of the materials recovery facility at Tuam Business Park, Weir Road, Tuam, Co. Galway.

4.0 DEFINITIONS:

- 4.1.1 Excursions – discharges, emissions, spills or releases which exceed the numerical limits for discharge or reporting established in the waste permit and which it is required to report to a Government Agency or a Local Authority. In instances where no discharge, emission or release is permitted the numerical standard is zero, an example would be a spillage of oil into the sewer.
- 4.1.2 Incidents – are environmental events which pose a potential hazard to human health or the environment, but do not rise to the level of an Excursion(i.e. do not exceed numerical limits). Incidents include such things as complaints of unpleasant odours from neighbours, non-contained spills which are promptly recovered or neutralised in place.
- 4.1.3 Excluded events are minor and routine operating emissions, drips, leaks and losses that are not considered spill events in the judgement of the supervisor. Also included in this category are spill events in which the material involved is physically contained by dykes, kerbing or similar means and which do not enter the environment through

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**Attachment J
Emergency Response Procedure
Insurance Details**

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SECTION J ACCIDENT PREVENTION & EMERGENCY RESPONSE

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

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

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

Supporting information should form **Attachment J**.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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WASTE Application Form

- (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, maps, diagrams and supporting documents, including details of noise attenuation and noise proposed control measures to be employed, should form **Attachment I.6.**

Refer to Section on Noise in the accompanying EIS.

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*.

Refer to Section on Terrestrial Ecology in accompanying EIS.

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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.**

Refer to Section on Surface Water and Geology and Hydrogeology in accompanying EIS.

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.
Refer to Section on Geology and Hydrogeology in accompanying EIS.

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, plans, drawings, documentation, including containment engineering, remedial works, and any other supporting information should be included in **Attachment I.5.**

Refer to Section on Surface Water and Geology and Hydrogeology in accompanying EIS.

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)

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.

Refer to Section on Air Quality Assessment in accompanying EIS.

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.**

Refer to Section on Surface Water in accompanying EIS.



Attachment H4 Waste Arisings

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Waste Acceptance Report

Date:

Customer:

Item	Checked	Comments
Waste Description		
Documentation		
Visual inspection		
Odour		

Report on Waste Acceptance Problem

Location _____

Time _____

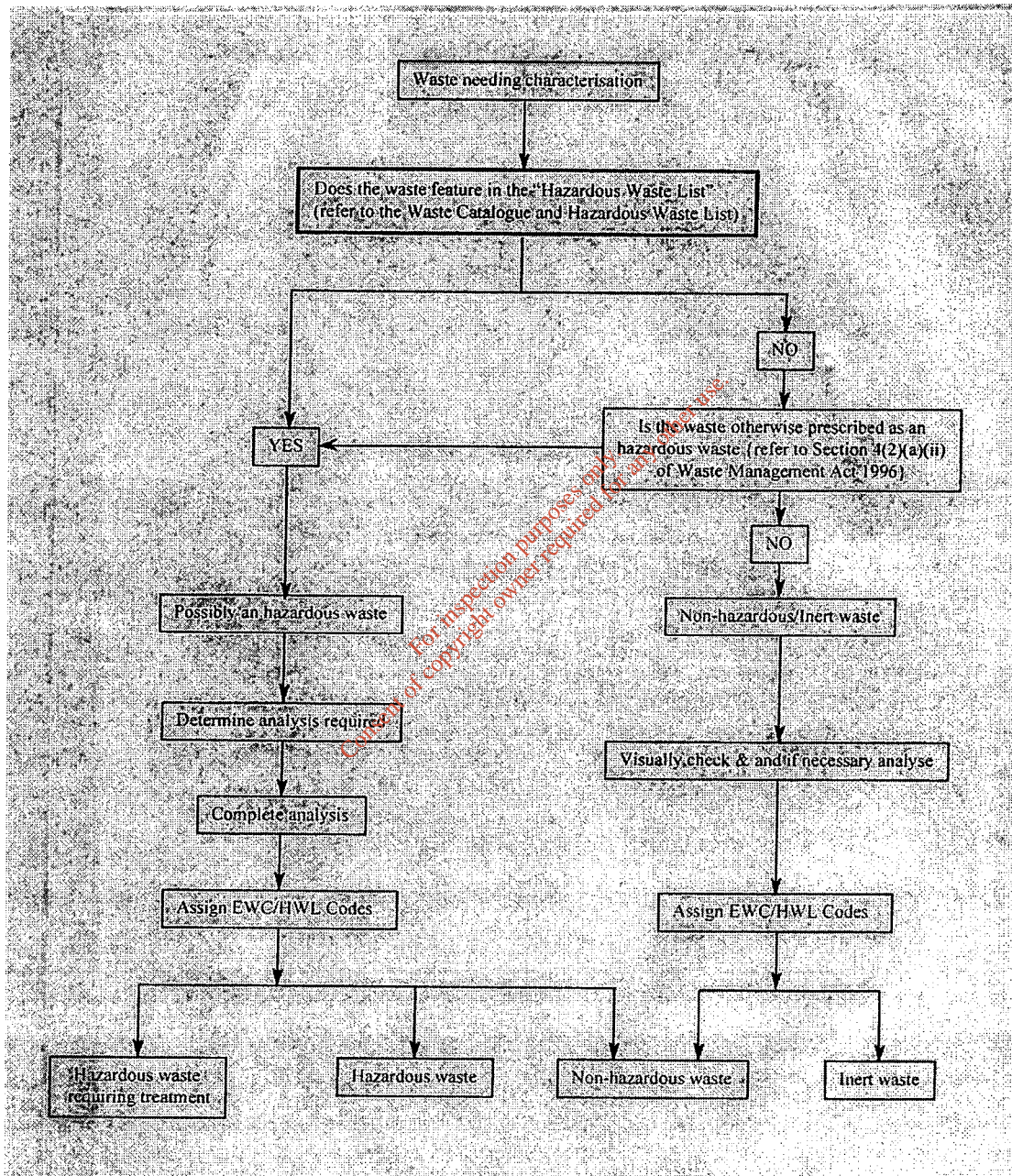
Details _____

Corrective action taken _____

Signed: _____

Approved: _____

Fig. 1 Procedure for characterising waste



6.3 Reporting:

- 6.3.1 Any waste not in conformance with the permit conditions will be held on site and Kerry County Council informed.
- 6.5.2 A senior member of staff to compile a special in depth report outlining the possible source and composition of such unapproved waste.
- 6.5.3 A disposal strategy for such waste will be agreed with Kerry County Council prior to disposal.

6.4 Communication:

- 6.4.1 All reports/documentation will be kept in the facility.
- 6.4.2 Kerry County Council will be informed of any proposed changes to this waste acceptance procedure.

6.8 Training:

- 6.8.1 Personnel involved in waste acceptance must have attended a training course on the implementation of this procedure.

6.9 Administration:

The activity file for this procedure shall reside in the office. Compliance with the procedures shall be confirmed through the presence of documentation for scheduled treatment inspections.

7.0 RELATED DOCUMENTS:

- 7.1 Waste permit
- 7.2 Landfill manuals "waste acceptance", EPA
- 7.3 Waste Management Act, 1996

TITLE: Waste Acceptance Procedure

5.0 RESPONSIBILITIES:

Specification Responsibility: Supervisor.

Waste compliance/categorisation Responsibility: Customer.

6.0 PROCEDURE:

6.1 Operations:

6.1.1 All waste handled at the facility will be characterised using the procedure outlined in Fig.1 – Procedure for characterising waste.

6.1.2 Waste from each individual customer will then be categorised as either municipal or industrial waste and appropriate European Waste Catalogue Codes assigned to the waste.

6.1.3 Each load of waste will be verified on site to confirm that the waste is the same as;

- (a) that which has been subjected to compliance testing; and
- (b) that which is described in any accompanying documents that may be required.

On-site inspection will consist of a visual inspection of a load of waste before and after unloading at the facility. More detailed testing may be required if visual inspection does not enable the operator to make a conclusive verification.

6.1.4 A Municipal Waste characterisation survey will be carried out periodically.

6.1.5 Waste arriving on site will be checked as follows:

6.1.5.1 Documentation check to ascertain origin and nature of the waste.

6.1.5.2 Visual inspection as outlined above

6.1.5.3 Periodic compliance testing if required

6.1.5.4 Disposal in accordance with the waste permit.

6.2 Inspections:

6.2.1 Visual and documentation inspections shall be carried out on each load received at the facility.

6.2.2 Other more detailed inspections will be carried out in accordance with permit requirements.

THIS PROCEDURE OUTLINES THE MEASURES TO BE TAKEN TO ENSURE THAT WASTE ACCEPTED FOR TREATMENT AT THE MATERIALS RECOVERY FACILITY COMPLIES WITH THE CONDITIONS OUTLINED IN THE WASTE PERMIT. IT IS THE RESPONSIBILITY OF THE PLANT SUPERVISOR TO ENSURE THAT THIS SPECIFICATION IS ADHERED TO AND THAT IT IS MAINTAINED AND UPDATED.

1.0 PURPOSE:

To ensure that waste handled at the recovery facility is suitable for disposal at the approved landfill sites and is in compliance with the waste licence permit.

2.0 POLICY

Killarney Waste Disposal Ltd recognises the requirement to ensure that waste handled at the facility is categorised as municipal or industrial waste and that no hazardous waste as specified in the Waste Management Act, 1996 is accepted at the facility.

3.0 SCOPE:

This procedure applies to the control of all waste handled at the materials recovery facility at Aughnacureen, Killarney, Co. Kerry.

4.0 DEFINITIONS:

Hazardous Waste is any waste which is covered by the Council Directive 91/689/EEC on Hazardous Waste. The Waste Management Act, 1996 defines it as;

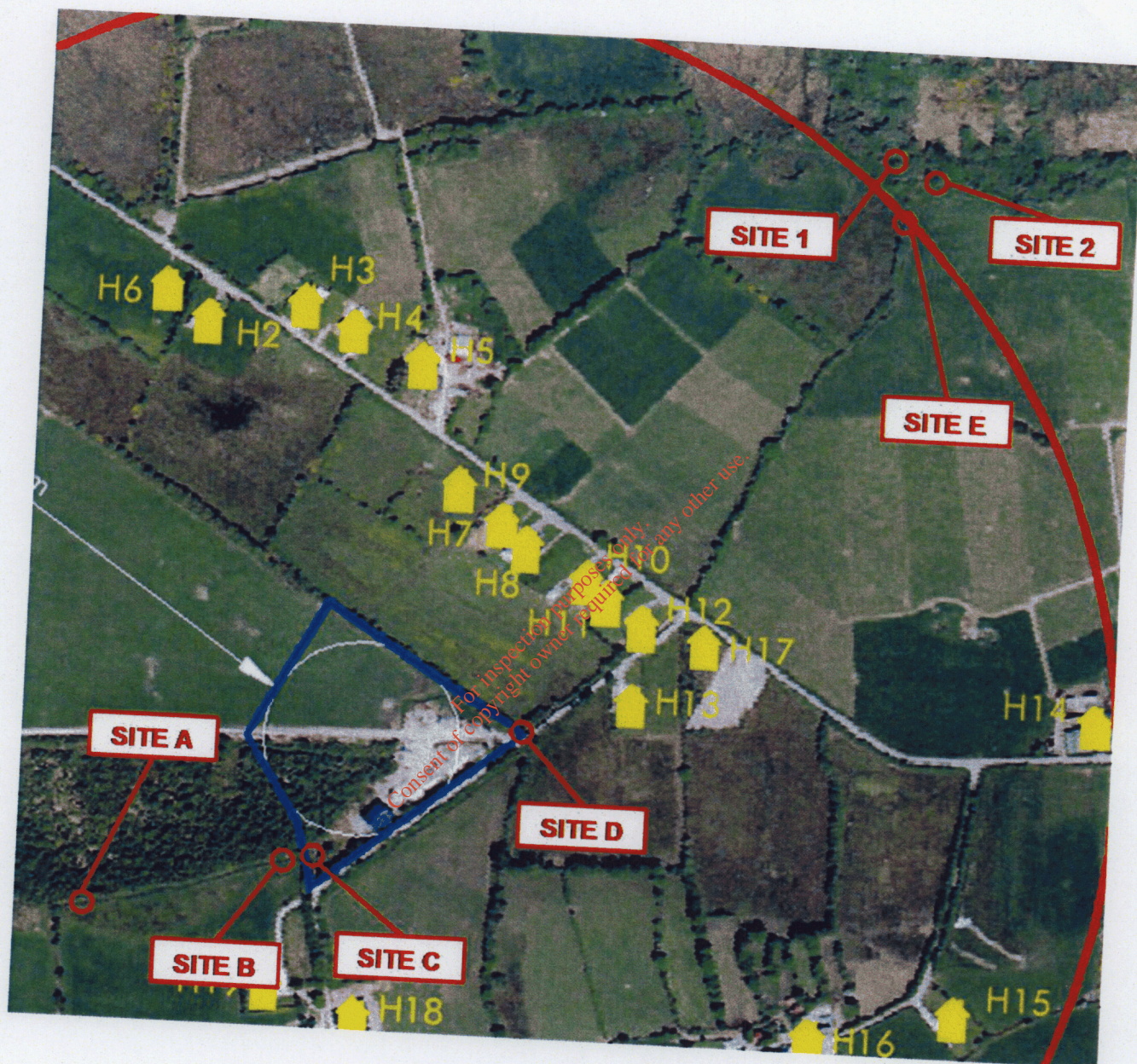
- (i) hazardous waste for the time being mentioned in the list prepared pursuant to Article 1(4) of Council Directive 91/689/EEC of 12 December, 1991, being either
- (ii) Category 1 waste that has any of the properties specified in Part II of the second schedule, or
- (iii) Category II waste that-
 - Contains any of the constituents specified in part II of the second schedule and
 - Has any of the properties specified in Part III of the said schedule
- (iv) Such other waste, having any of the properties specified in Part III of the second schedule, as may be prescribed for the purposes of this definition.

Volume I

Drawings

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FIG. 1 LOCATION OF BIOLOGICAL ASSESSMENT SITES ON AGHACURREEN DRAIN AND GLANOORAGH RIVER (UPPER SITES)



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