

SECTION C MANAGEMENT OF THE FACILITY

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

C.1 Technical Competence and Site Management

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

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

Name	Position	Duties and Responsibilities	Experience /Qualifications
Sean Murphy	Director	Overall management of site	Management experience 15 years
Niall McCarthy	Yard Supervisor	Management of yard operation	Truck licence and 3 years yard experience
Elaine O'Sullivan	Office Supervisor	Office Supervision	10 years office experience

C.2 Environmental Management System

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

A formal Environmental Management System has not yet been prepared for the facility. However operational and emergency procedures have been prepared and are in operation.

C.3 Hours of Operation

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

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

The proposed hours are outlined as follows:

- (a) 07:00 to 20:00 Monday to Saturday inclusive
- (b) 07:30 to 19:30 Monday to Saturday inclusive
- (c) Not applicable



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(d) Collection/deliveries maybe required outside normal operational hours to facilitate customer requirements. These abnormal operations will be recorded.

C.4 Conditioning Plan

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

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SECTION D INFRASTRUCTURE & OPERATION

D.1 Infrastructure

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

Table D.1. Infrastructure

		y/n	Comments
D.1.a	Site security arrangements including gates and fencing	Y	See Attachment D.1.a
D.1.b	Designs for site roads	Y	See Attachment D.1.b
D.1.c	Design of hardstanding areas	Y	See Attachment D.1.c
D.1.d	Weighbridge	Y	See Attachment D.1.d
D.1.e	Wheel-wash	N	
D.1.f	Laboratory facilities	N	
D.1.g	Design and location of fuel storage areas	N	See Attachment D.1.g
D.1.h	Waste quarantine areas	Y	See Attachment D.1.h
D.1.i	Waste inspection areas	Y	See Attachment D.1.i
D.1.j	Traffic control	Y	See Attachment D.1.j
D.1.k	Sewerage and surface water drainage infrastructure	Y	See Attachment D.1.k
D.1.l	All other services	Y	See Attachment D.1.l
D.1.m	Plant sheds, garages and equipment compound	Y	See Attachment D.1.m
D.1.n	Site accommodation	Y	See Attachment D.1.n
D.1.o	A fire control system, including water supply	Y	See Attachment D.1.o
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	N	
D.1.t	Incineration infrastructure (if applicable). Provide information to fulfil Article 4 (2) & (3) of the Incineration of Waste Directive	Not App	
D.1.u	Any other infrastructure	Y	See Attachment D.1.u

Attachment D.1

D.1.a Facility security arrangements

Access from the main road is restricted by means of a 2 metre high embankment mature hedgerow and a security gate. The access control gates and the waste processing building will be kept locked when the facility is unsupervised. Any defect in the gates and/or fencing shall be temporarily repaired by the end of the working day and reinstated fully within one week.

D.1.b Designs for facility roads

It is proposed to build a new access road around the new processing building as shown in Drawing No. 02-034-J4-MCOS2.

D.1.c Design of hard-standing areas

Concreted areas are shown in Drawing No. 02-034-J4-MCOS2.

D.1.d Plant

The following plant machinery will be used on site:

- Shredder and Trommel (Eurec S2000)
- Baler
- Wrapping machine
- Shredder for wood
- Loaders

D.1.g Design and location of fuel storage areas

Fuel is not stored on site. Site vehicles and the generator on site are refuelled by means of a commercial fuel tanker.

D.1.h Waste Quarantine Area

Existing quarantine arrangements will be replaced by a new waste quarantine area in the new building. Drawing No. DG0002-01 shows its location.

D.1.i Waste Inspection Area

Existing waste inspection arrangements will be continued in designated waste inspection areas for the different waste types in the new processing building. Drawing No. DG0002-01 shows the location.

D.1.j Traffic Control

The entrance gate to the facility can only accommodate one vehicle at a time. However a two way system operates within the site so trucks can deposit their waste and leave the site without blocking other vehicles. All trucks must pass over the weighbridge when entering and exiting the site.

D.1.1 All Other Services**Electricity**

A generator on site is used to run the machinery which is located at the end of the existing building on site. The office buildings are run off the mains electrical supply to the site.

Telecommunications Infrastructure

This already exists on site

Water Supply

The facility is connected to the public water supply network.

D.1.k Sewerage and surface water drainage infrastructure

A septic tank is in use at the facility. It is proposed to design a puraflo system. This will be designed to cater for 12 people at 180L per person per day, which equates to a discharge quantity of 2.16 cubic metres per day to be treated by the system.

Details on the design of the stormwater drainage and treatment system are attached. Drawing No. 02-034-J4-MCOS2 provides details on the layout of the system.

Roof water will drain from the new processing building to the stream as shown in Drawing No. 02-034-J4-MCOS2 (Storm Drainage off Roof).

D.1.m Plant sheds, garages and equipment compound

A shed is located beside the site office.

D.1.n Site accommodation

Drawing No. 02-034-J4-MCOS2 shows the location of the site offices and reception area with toilet facilities.

D.1.o A fire control system, including water supply

Fire extinguishers are present on site and it is intended to use the lagoon for fire fighting purposes.

D.1.u Other infrastructure

A weighbridge is located at the facility and is used by waste vehicles entering and leaving the site.

**Attachment D.1.k cont.
Details on Stormwater Drainage & Treatment**

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WasteWorks

KWD Recycling. Runoff treatment system. Notes on design and operation.

1.0 Design.

1.1 Volumes.

Calculated on the area provided to me for total present and future concrete yard area. Note that a lot of the yard area shown on your drawing is proposed to be roofed by new shed – reducing the yard area. (Ref Paudie O'Mahony – architects)

Rainfall	
Average rainfall 180 days (mm)	500
Total surface area (m ²)	2652
Total 180d rainwater (m ³)	1326
Av rainwater/day (m ³ /d)	7.4

1.2 Interceptor.

The interceptor is 13.5m³ capacity to provide average 2 days retention time. This is for oil and solids separation.

1.3 Lagoon.

This is intended as a balancing tank and will also provide some treatment. It is intended also to act as an emergency for fire fighting purposes. The lagoon is lined with butyl rubber liner (guaranteed for 30 years exposure to weather/UV).

Retention time (days)	10
Lagoon capacity (m ³)	74
Av hydraulic depth (m)	1.00
Freeboard (m)	0.25
Lagoon depth (m)	1.25
Area (m ²)	74

1.4 Wetland.

This is a lined soil based wetland. It is lined with plastic sheeting laid on top of clay. Designed along general principles for wetlands for runoff.

Retention time (days)	10
Wetland capacity (m ³)	74
Av depth (m)	0.1
Area (m ²)	737

1.5 Percolation area.

The volume disposed will be similar to the input. I was not provided with a percolation test. The area of the percolation is considerable (2 lengths of approx 60m 4m apart = 60 x 4 = 280m²). It is intended to plant willows along this percolation area.

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WasteWorks

2.0 Operation.

2.1 Gullies

Gullies (one off at present as mentioned) have grids to prevent ingress of large materials. Most of the water drains to this one point. Another may need to be installed – but I have no information about the layout with regard to levels/direction of flows etc. Water flows by gravity to pump chamber.

All roofwater is routed away from the concrete area. Again I have no information about what happens to this. I have simply stated that no roofwater (clean) should be allowed to be mixed with the yard runoff.

2.2 Pump chamber.

Pump chamber 4m³ with submersible pump. All water pumped automatically to interceptor. Flow rate of pump 15m³/hr at head of approx 3m.

2.3 Interceptor

2-chamber interceptor 6.75m³ per chamber. This was installed at high level to provide gravity flow from this point. (only one pump in process flow). This will be protected by an earth bank in due course.

2.4 Lagoon 70m³.

Water flows by gravity from interceptor to the lagoon.

2.5 Wetland.

Water flows by gravity from lagoon to wetland.

2.6 Percolation area.

Water flows by gravity to percolation area.

3.0 Maintenance.

The system is very low maintenance. Apart from the gullies/grids which will need to have solids removed as often as required, the only item requiring maintenance is the interceptor which will be emptied according to requirements (we do not know how quickly solids will accumulate in this tank). The pump is a sealed-for-life unit.

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

This Waste Licence Application relates to a proposed increase in tonnage and an extension to the current KWD facility. Currently under the Waste Permit from Kerry County Council KWD accepts a waste intake of 16,500 tonnes per annum.

Only non-hazardous waste types are accepted on site and are as follows:

- Construction & Demolition waste (4,000 tonnes);
- Mixed municipal waste (8,000 tonnes);
- Organic waste (kitchen and canteen waste only) (1,000 tonnes);
- Dry recyclable wastes (cardboard and packaging waste, paper, plastic bottles or film, metals, timber, glass) (3,500).

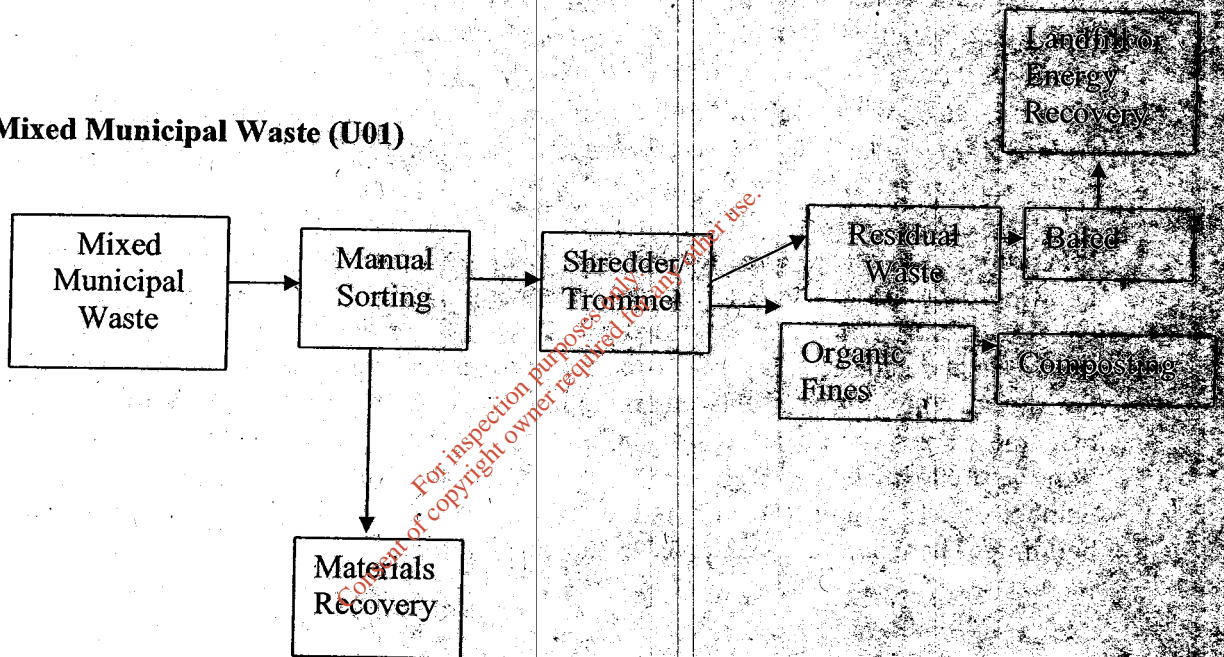
It is proposed to increase the total annual waste intake to 40,000 tonnes per annum. Drawing No. 02-034-J4-MCOS1 and Drawing No. 02-034-J4-MCOS2 provide details on the Existing and Proposed Site Layout Plans and Drawing No. DG0002-01 provided details on a layout for the new processing building on site. It should be noted that the proposed layout is indicative and may change depending on machinery sizes and operational techniques. The existing operations will remain the same as outlined below. The new building has been designed with a maximum number of access points to facilitate delivery and loading of waste to and from the building. There are 5 no. entrances to the new building.

Unit Operations

The main waste streams for processing are as follows:

- **Mixed Municipal Waste;**
- **Source segregated waste, which includes organic waste and dry recyclables (plastic (bottles and film), paper, cardboard and packaging waste, glass, metals);**
- **Wood;**
- **Construction & Demolition Waste.**

Mixed Municipal Waste (U01)



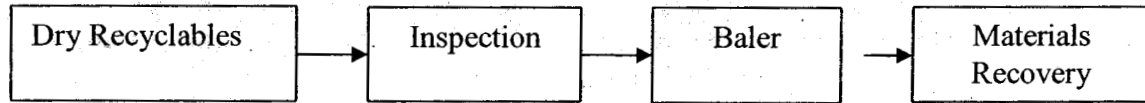
Waste is tipped onto the processing building floor. Then the material is inspected and any hazardous waste is removed and placed in the quarantine area. The rest of the material is then transferred to a mechanical shredder. The shredder cuts up the material and feeds it into a trommel machine. This machine is made up of a large screen which will separate out the finer organic particles from the rest of the residual mixed waste. The residual waste is removed from the trommel via a conveyor belt to a baler. The waste is compacted in the baler and wrapped in a plastic film to ensure that the bales remain intact. These bales are stored in the facility and then transferred to an energy recovery facility. The separated organic fraction of the waste is sent off-site for further processing at a composting facility.

Municipal Waste Source Separated Dry Recyclables (U002)

Dry recyclables will require very little processing. The waste is tipped onto the floor of the processing building for inspection. Some of the waste is transferred to a

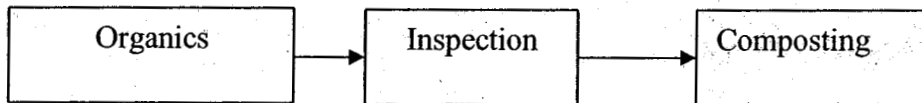
WASTE Application Form

conveyor belt which feeds the material into the baler which produces bales. Other waste types (metals, glass) are placed in storage skips. The waste is then transported off-site to licenced recovery facilities.



Municipal Waste Source Separated Organics (U03)

Organics that are delivered to the facility will be loaded into a container and sent to a composting plant for recovery.



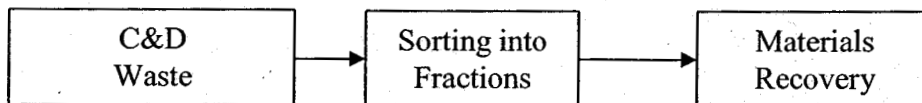
Municipal Waste Source Separated Wood (U04)

Wood is stored in the storage area in a designated bay until a viable quantity has accumulated. Then it is put through the shredder which is currently located outside the existing processing building. The shredded wood is then transported to a recovery facility.



Construction & Demolition Waste (U05)

C&D waste is tipped on the floor of the processing building where it is inspected and manually sorted into various fractions like metal, wood, plastic and rubble etc. Storage bays are located within the processing building which stores the waste until sufficient volumes can be transported to a materials recovery facility for C&D.



Emissions:

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 docket 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.

LANDFILLS

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

D.3 Liner System

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

TABLE D.3 LINER SYSTEM

		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

	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 leachate 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

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

		y/n	Comments
D.5a	<p>Is there a Landfill Gas Management Plan?</p> <p>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:</p>		
D.5b	Is there a passive venting system?		
D.5c	Does the passive system cover all of the filled area?		
D.5d	Have gas alarm systems been installed in the site buildings?		
D.5e	Have measures been installed to prevent landfill gas migration (e.g. barriers)?		
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 (e.g. 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 incinerator plant been assessed for source, composition, quantity and level and rate?		
D.5l	Has a maintenance programme for the control system been specified?		
D.5m	Has a condensate removal system been designed?		

D.6 Capping System

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

Table D.6 Capping System

		y/n	Comments
D.6a	Has the daily cover been specified?		
D.6b	Has the intermediate cover been specified?		
D.6c	Has the temporary capping been specified?		
D.6d	Has the Capping System been designed and does it meet the requirements of the Landfill Directive Annex 1 (3.3)?		
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 all other main emission points, including stack sources (incinerator stacks, landfill gas utilisation plants, air handling unit emissions etc.).

Please refer to Air Quality Section in accompanying EIS.

E.2 Emissions to Surface Waters

Attachment E.2 Tables E.2(i) and E.2(ii) should be completed where relevant. **Please refer to Surface Water Quality Section in accompanying EIS.**

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**

Please refer to Geology and Hydrogeology Section in accompanying EIS.

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.

Please refer to Noise Section in accompanying EIS.

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*.

For Dust and Traffic Control refer to relevant Sections in the EIS.

Attachment E6 contains control measures outlined in the current operational procedures concerning nuisances:

- Odour/Air Emission Control Procedure
- Vermin and Pest Control Programme
- Litter Control Procedure
- Environmental Emergency Handling Procedure

TABLE D.6 ENVIRONMENTAL NUISANCES

Bird Control	Control method specified	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"/>
Dust Control	Control method specified	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"/>
Fire Control	Control method specified	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"/>
Litter Control	Control method specified	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"/>
Traffic Control	Control method specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
	Attachment included	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	not applicable <input type="checkbox"/>
Vermin Control	Control method specified	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"/>
Road Cleansing	Control method specified	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 E6 Operational Procedures

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THIS PROCEDURE OUTLINES THE MEASURES TO BE TAKEN TO ENSURE THAT LITTER AND OTHER DELETERIOUS MATTER IS CONTROLLED AT THE WASTE TRANSFER STATION. 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 prevent problems associated with litter and other deleterious matter and in particular to assist in the control of vermin, pests and other nuisances.

2.0 POLICY

Killarney Waste Disposal Ltd. recognises the requirement to control litter within the waste transfer facility. Such requirements shall be met in a program which emphasises the prevention of litter problems at source. Additionally, periodic inspections and collections in the vicinity of the transfer station shall take place.

3.0 SCOPE:

This procedure applies to the control of litter and other deleterious matter in the waste transfer station at Aughnacureen, Killarney, Co. Kerry.

4.0 DEFINITIONS:

Not Applicable.

5.0 RESPONSIBILITIES:

Specification Responsibility: Supervisor.

6.0 PROCEDURE:

6.1 Operations:

Killarney Waste Disposal Ltd. will ensure that all operations on site will be carried out in a manner such that litter does not result in significant impairment of, or significant interference with amenities or the environment beyond the site boundary.

TITLE: Litter Control Procedure

6.2 Control Measures:

- 6.2.1 All vehicles entering the waste transfer station will be adequately secured to prevent spillage.
- 6.2.2 All loose litter accumulated within the facility and its environs, will be removed and appropriately disposed of on a daily basis.
- 6.2.3 Any litter placed on or in the vicinity of the facility, other than in accordance with the requirements of the waste collection permit, will be removed immediately, and in any event by 10:00 a.m. of the next working day, when such items are discovered. Such waste will be disposed of in an appropriate manner.

6.3 Inspections:

- 6.3.1 Inspections shall be carried out on a daily basis.
- 6.3.2 A checklist is to be used to monitor routine inspections. A site map, indicating the areas patrolled will accompany the checklist. (Attachment #1 - #3)

6.4 Reporting:

- 6.4.1 A daily log-sheet will be used to record litter patrols.
- 6.4.2 In the event of litter being placed on or in the vicinity of the facility, other than in accordance with the requirements of the waste collection permit, a special action report will be completed outlining the circumstances and the corrective action measures taken.

6.5 Communication:

- 6.5.1 All reports will be kept in a special "Pest Control File" in the facility.
- 6.5.2 In the event of an incident as outlined in 6.4.2 above, occurring a copy of the special action report will be forwarded to Kerry County Council.
- 6.5.3 Kerry County Council will be informed of any proposed changes in this procedure.

6.6 Training:

- 6.6.1 All personnel will attend a training course on litter control measures.

7.0 RELATED DOCUMENTS:

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Litter Control Patrols

Kilbarney Waste Disposal Ltd.
REV 01
Sheet 4 of 6

TITLE: Litter Control Procedure

Month/year	<u>Litter Control Log</u>	Killarney Waste Disposal Ltd., Aughnacureen, Killarney, Co. Kerry.
Date	Signature	Comments
1		
2		
3		
4		
5		
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Litter Control Report

Date: _____

Location; Waste Transfer Station, Aughnacureen, Killarney, Co. Kerry.

Item	Checked	Comments

Report on litter problem

Location _____

Time _____

Details _____

Corrective action taken _____

Signed: _____

Approved: _____

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THIS PROCEDURE OUTLINES THE MEASURES TO BE TAKEN TO ENSURE THAT ADEQUATE ODOUR AND AIR EMISSION CONTROL MEASURES ARE IN PLACE AT THE WASTE TRANSFER STATION. 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 ensure that all operations on site will be carried out in a manner such that air emissions and/or odours do not result in significant impairment of, or significant interference with amenities or the environment beyond the site boundary.

2.0 POLICY

Killarney Waste Disposal Ltd. recognises the requirement to control odours and air emissions from the facility.

3.0 SCOPE:

This procedure applies to the control of all odours and air emissions from the waste transfer station at Aughnacureen, Killarney, Co. Kerry.

4.0 DEFINITIONS:

Not Applicable.

5.0 RESPONSIBILITIES:

Specification Responsibility: Supervisor.

6.0 PROCEDURE:

6.1 Operations:

6.1.1 The following is a list of all sources of potential air emissions.

Emission from containers when tipping
Emissions from empty containers

TITLE: Odour/Air emission Control Procedure

Emissions from waste compactor during operation

- 6.1.2 The compactor and the tipping operation are carried out indoors in the transfer station and no significant air emissions are envisaged under normal operation. Any potential emissions will be contained within the transfer station.
- 6.1.3 All organic waste entering the facility will be removed from the facility within two working days to minimise any potential odour problems.
- 6.1.4 The containers used to carry the waste to and from the transfer station are generally closed. There are however some open-topped skips used and these are fitted with netting to prevent any potential litter problems.
- 6.1.5 Odour control is achieved by means of cleaning the containers regularly with water which is emitted to the septic tank. In the event of a skip containing a load with a potential odour problem arriving on site it is parked as close to the centre of the site as possible to minimise potential odours at the site boundary.
- 6.1.6 In dry weather, paved areas and any other areas used by vehicles will be sprayed with water as and when required to minimise airborne dust nuisance.

6.2 Inspections:

- 6.2.1 Inspections to verify the adequacy of the measures outlined above will be carried out annually to ensure the adequacy of these measures.

6.3 Reporting:

- 6.3.1 In the event of any particular air emission or odour problem occurring in the course of normal operation a special action report will be filled out to explain the cause of the difficulty and identify remedial measures to ensure that such incidences do not occur again.

6.4 Communication:

- 6.4.1 All reports will be kept in a special "Air Emission/Odour Control File" in the facility.

6.5 Technical Support:

6.5.1 Every effort will be made by Killarney Waste Disposal Ltd. to keep informed of technical advances in odour and air emission control techniques.

6.5.2 Kerry County Council will be informed of any proposed changes in pesticides being used on the premises together with any technical and safety data relating to the proposed preparations.

6.6 Training:

6.6.1 Personnel operating the waste transfer equipment must have attended a training course on air emission and odour control measures.

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:

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Potential Air Emission Points

Air Emission/Odour Control Report

Date: _____

Location: Waste Transfer Station, Aughnacureen, Killarney, Co. Kerry

Item	Checked	Comments
Sewer venting system		
Empty containers		
Full containers		
Compactor		

Report on air emission/odour problem

Location _____

Time _____

Details _____

Corrective action taken _____

TITLE: Odour/Air emission Control Procedure

Killarney Waste Disposal Ltd

REV 01

Sheet 6 of 5

Signed: _____

Approved: _____

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TITLE: Vermin and Pest Control Programme

THIS PROCEDURE OUTLINES THE MEASURES TO BE TAKEN TO MINIMISE THE NUISANCE CAUSED BY VERMIN AND PESTS. 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 prevent pest infestation and to avoid contamination of personnel, materials and equipment by pest control agents used in the control of vermin and pests.

2.0 POLICY

Killarney Waste Disposal Ltd. recognises the requirement to use pest control agents within its waste transfer facility. Such requirements shall be met in a program which emphasises the prevention of pest and vermin entry rather than their destruction once they have entered the facility. Additionally, the requirement shall be accomplished within the constraint that no contamination of personnel, materials or equipment shall take place.

3.0 SCOPE:

This procedure applies to the control of all vermin and pests in the waste transfer station at Aughnacureen, Killarney, Co. Kerry.

4.0 DEFINITIONS:

Not Applicable.

5.0 RESPONSIBILITIES:

Specification Responsibility: Supervisor.

6.0 PROCEDURE:

6.1 Operations:

Buildings: The buildings comprising the waste transfer station are of a modern and were constructed with materials that meet or exceed the requirements as set forth in the building regulations of the Republic of Ireland. Protection from pests and vermin is

TITLE: Vermin and Pest Control Programme

**Killarney Waste Disposal Ltd.
REV 01
Sheet 2 of 6**

afforded in the workspace by the use of close-fitting doors, sealed windows and sealed fire exits.

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6.2 Pest Control:

- 6.2.1 The Waste Transfer Station is fitted with bait points and pest control measures as outlined on the attached map
- 6.2.2 Rodent control is primarily achieved by means of placing of bait/poison at the locations outlined.
- 6.2.3 Insect control is by means of preventative spraying during the Summer months.
- 6.2.4 Bird control is achieved by enclosing all waste transfer activities and limiting outdoor storage to as short a duration as possible.

6.3 Inspections:

- 6.3.1 Pest control inspections shall be carried out at approx. 4 week intervals.
- 6.3.2 A Departmental checklist of all bait stations to be compiled. This checklist is to be used to monitor rodent infestation. A site map indicating all bait stations will accompany the checklist. (Attachment #1 - #3).
- 6.3.3 All baits to be inspected/replaced date marked on each visit.
- 6.3.4 On each inspection a check is to be carried out for the presence of rodents, birds and insects.
- 6.3.5 Inspection of the premises for conditions conducive to rodent bird or insect infestation is to be carried out on each visit.

6.4 Treatment:

- 6.4.1 The approved rodenticide is Bromard with Bromardiolene (an anti-coagulant) at 0.01% as its active ingredient.
- 6.4.2 The approved insecticide is Fenitrothion.
- 6.4.3 Bait stations to be established throughout the premises.
- 6.4.4 All bait points to be numbered and labelled.
- 6.4.5 To reduce the risk of product contamination, from spillage and Stored product insects, all internal baits are to be of the non-spill lard based variety.
- 6.4.6 A series of external bait points are to be provided with a grain type bait.

6.4.7 Control on flying insects the walls walls will be treated with Kothrine - a long acting insecticide. This operation will be carried out during the summer season.

6.5 Reporting:

6.5.1 When conditions (i.e. proofing, housekeeping, stacking etc.) are conducive to infestation a Special Action Report is to be used to highlight this and advice is to be provided on the most suitable method of dealing with the problem.

6.5.2 A senior member of staff to compile a special in depth report covering points 1 and 3 above. This report to be compiled at 3 monthly intervals.

6.6 Communication:

6.6.1 All reports will be kept in a special "Pest Control File" in the facility.

6.7 Technical Support:

6.7.1 Every effort will be made to keep informed of technical advances in pest control.

6.7.2 Kerry County Council will be informed of any proposed changes in pesticides being used on the premises together with any technical and safety data relating to the proposed preparations.

6.8 Training:

6.8.1 Personnel involved in pest control programmes must have attended a training course on pest control measures.

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:

Pest Control Points

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Month/year	<u>Pest Control Log</u>	Killarney Waste Disposal Ltd, Aughnacureen, Killarney, Co. Kerry.
Date	Signature	Comments
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
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31		

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Pest Control Report

Date:

Location: Waste Transfer Station, Aughnacureen, Killarney, Co. Kerry

Item	Checked	Comments
Bait Points		
Insectocutors		
Windows		
Door seals		

Report on pest problem

Location _____

Time _____

Details

Corrective action taken

Signed: _____

Approved: _____

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6.5 Training:

6.5.1 Company Personnel dealing with the public must have attended a training course on complaint handling procedures.

6.6 Administration:

The activity file for this procedure shall reside in the head office.

7.0 RELATED DOCUMENTS:

7.1 Environmental Policy

7.2 Complaint Report Form

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Complaint Report Form

Date: _____ Complaint Number _____ Formal _____ Informal _____

Complacment; _____ Address _____

Telephone: _____

	Time	Date	Method
Initial contact			
Investigation complete			
Report filed			

Details of Complaint

Details

Corrective action taken

External notification

Signed: _____

Approved: _____

THIS PROCEDURE OUTLINES THE MEASURES TO BE TAKEN TO ENSURE THAT ACCESS TO THE WASTE TRANSFER STATION IS CONTROLLED. 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 ensure that access to the waste transfer station is controlled in an efficient manner.

2.0 POLICY

Killarney Waste Disposal Ltd., recognises the requirement to control access to his waste transfer facility. Such requirements shall be met in a program which emphasises the prevention access to the facility rather than controlling activities once someone has entered the facility

3.0 SCOPE:

This procedure applies to the control of all access to the waste transfer station at Aughnacureen, Killarney, Co. Kerry.

4.0 DEFINITIONS:

Not Applicable.

5.0 RESPONSIBILITIES:

Specification Responsibility: Supervisor.

6.0 PROCEDURE:

6.1 Access control

6.1.1 Buildings: The buildings comprising the waste transfer station are outlined on the enclosed map of the facility. The access gates are marked A1.

6.1.2 Access from the main road is restricted by means of a 2 metre high embankment and hedgegrow and security gate.

- 6.1.3 The normal hours of operation are 07:00 hrs to 22:00 hrs.
- 6.1.4 The access control gates will be kept locked shut when the facility is unsupervised.
- 6.1.5 Any defect in the gates and/or fencing shall be temporarily repaired by the end of the working day and reinstated fully within one week.
- 6.1.6 The waste transfer building will be kept locked shut when the facility is unsupervised.
- 6.1.7 Adequate site lighting is provided to facilitate operation of the facility and security of the facility during hours of darkness.
- 6.1.8 Scavenging shall not be permitted at the facility.
- 6.5 Reporting:
- 6.5.1 A senior member of staff to compile a special report covering site security and maintenance of access control systems. This report to be compiled at 12 monthly intervals.
- 6.6 Communication:
- 6.6.1 All reports will be kept in a special "Access Control File" in the facility.
- 6.6.2 Any significant breaches of access control measures will be reported to the Gardaí and Kerry Co. Co.
- 6.7 Technical Support:
- 6.7.2 Kerry County Council will be informed of any proposed changes to these access control measures.
- 6.8 Training:
- 6.8.1 Personnel involved in operating the facility must have attended a training course on access control measures.
- 6.9 Administration:
- 6.9.1 The activity file for this procedure shall reside in the office.

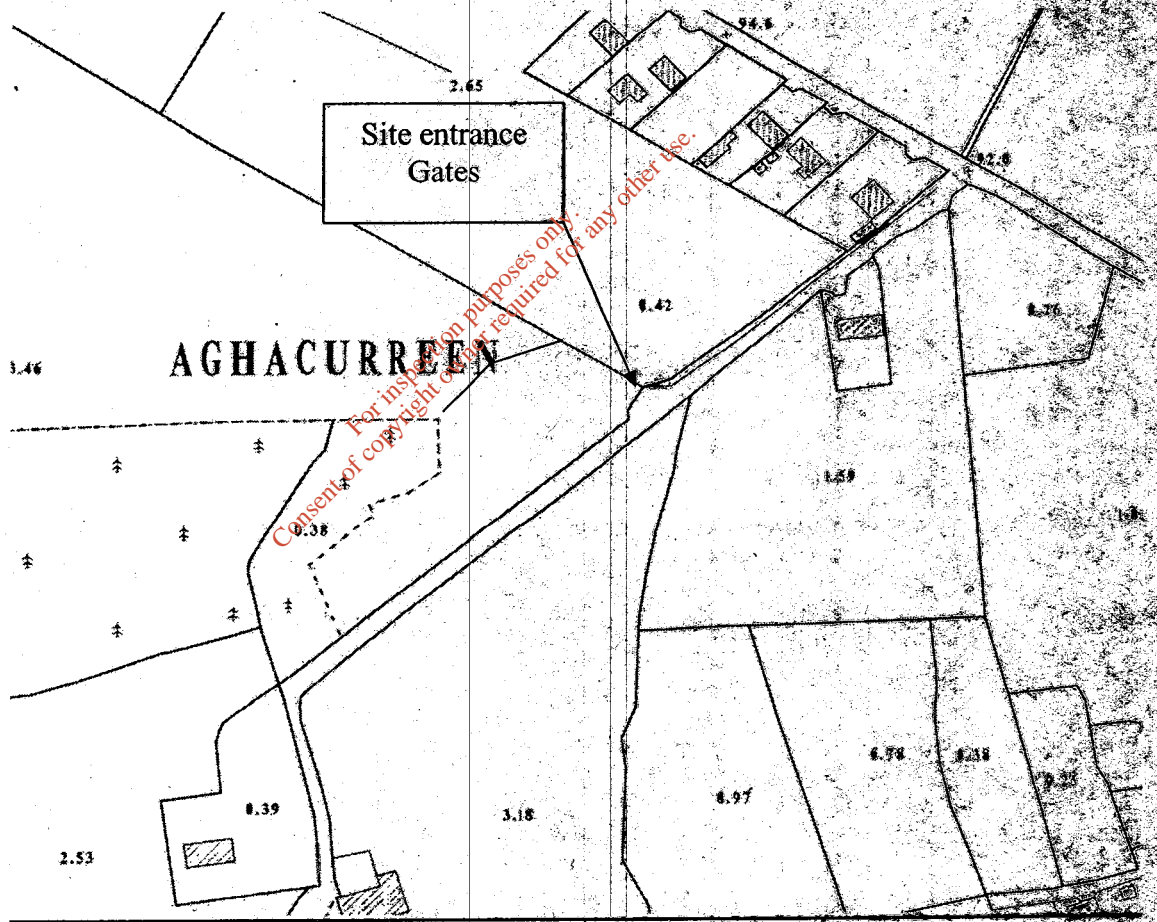
7.0 RELATED DOCUMENTS:

- 7.1 Waste Permit
- 7.2

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Access Control Points

Fig. 2 Site map



Access Control Report

Date: _____

Location: Waste Transfer Station, Aughnacureen, Killarney, Co. Kerry

Item	Checked	Comments
Main Gate A1		
Transfer Building		
Office		

Report on access control problem

Location _____

Time _____

Details _____

Corrective action taken _____

Signed: _____

Approved: _____

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