

ATTACHMENT A
Non-Technical Summary

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Non-Technical Summary

This Non-Technical Summary includes information on those aspects outlined in the Waste Licensing Application Guidance Note and complies with the requirements of Article 12(1)(u) of The Waste Management (Licensing) Regulations, S.I. 395 of 2004. Sub-articles (a) to (t) of Article 12(1) are addressed below.

For clarity, the paragraph numbering is in accordance with the numbering of Article 12(1), (a) to (t)

Article 12(1)(a) – Applicant Details

Name, address, telephone and fax of the applicant:

Kerry County Council
Environmental Department
Waste Management Section
Maine Street
Tralee
Co. Kerry

Telephone: 066 7162000

Fax: 066 7162001

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Article 12(1)(b) – Name of Planning Authority

Name of the Planning Authority in whose functional are the relevant activity will be carried on:

Kerry County Council

Article 12(1)(c) – Sanitary Authority

Not applicable

Article 12(1)(d) – Facility Details

Address of facility:

Listowel Civic Amenity
Tanavalla Industrial Estate
Garryantanvally,
Tralee Road
Listowel
Co. Kerry

National Grid Reference of facility:

E98089 N132415

Article 12(1)(e) – Nature of the Facility

The proposed facility will provide a facility for the Listowel community to deposit recyclable household items and also bags of household mixed waste as required.

Waste for recycling/recovery will include cardboard, paper, plastics, glass bottles, aluminium cans, food cans, textiles, metals, timber, rubble, household construction and demolition wastes, white goods and electrical goods.

Provisions will also be made for the recycling/recovery of domestic quantities of hazardous waste such as batteries, household paints and chemicals, varnishes and fluorescent tubes.

The proposed capacity of the facility is:

1500 tonnes per annum household mixed waste

800 tonnes per annum recyclables

Article 12(1)(f) – Classes of Activities

Third Schedule – Waste Disposal Activities

Class 12: Repackaging prior to submission to any activity referred to in a preceding paragraph of this schedule.

Class 13: Storage prior to submission to any activity referred to in a preceding paragraph of this schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.

Fourth Schedule – Waste Recovery Activities

Class 2: Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes)

Class 3: Recycling or reclamation of metals or metal compounds

Class 4: Recycling or reclamation of other inorganic materials

Class 13: Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.

Article 12(1)(G) – Quantity and Nature of Wastes

Table A.1.1 - Quantity and Nature of Wastes¹

Material	European Waste Catalogue Code	Tonnes per annum
Mixed Waste	20 03 01	1500
Paper and Cardboard	20 01 01	160
Tetrapaks	15 01 05	10
Textiles	20 01 11	30
Metals	20 01 40	70
Timber	20 01 38	60
Household Construction & Demolition Waste	17 01 07	100
Garden Waste	20 02 01	200
Electronic and Electrical Waste	20 01 36	10
White Goods	20 01 36	60
Glass	20 01 02	40
Food Cans	20 01 05	10
Aluminium Cans	20 01 05	5
Plastic Bottles	20 01 39	10
Hazardous Goods		15 total
Waste Edible Oil and Fat	20 01 25	
Waste Hydraulic Oils	13 01 00	
Waste Engine Gear and Lubricating Oils	13 02 00	
Batteries	20 01 33	
White Good Components	20 01 23	
Electronic and Electrical Waste Components	20 01 35	
Paints, Inks, etc	20 01 27	
Pesticides	20 01 19	
Solvents	20 01 13	
Fluorescent Tubes	20 01 21	

Note 1: By reference to the relevant European Waste Catalogue Codes s presented by Commission Decision 2000/532/EC of May 2000.

Article 12(1)(h) – Raw Materials

With the acceptance of construction materials, there will be no consumption of raw materials at the site, other than fuels and energy. No packaging materials will be used, as waste will be transferred directly in containers and compacted

A backhoe loader, which will be used on site, will run on diesel fuel and will consume approximately 1000 litres/annum.

The compactor, lighting and all other ancillaries will consume electrical energy.

Once records are available, more accurate figures can be forwarded to the Agency.

Article 12(1)(i) – Plant, Methods and Operating Procedures

The plant at the facility will consist of the following:

- Vehicle weighbridge
An 18 metre long, 60 tonne capacity, electronically controlled weighbridge, with computer software for control.
- Waste compactor
The type and model of compactors will depend on cost, availability, practicality, etc.
- Skid steer loader/Backhoe loader
The type and model of loader will depend on cost, availability, practicality, etc.

The basic methods and operating procedures will be as follows:

The civic waste facility will be constructed on two levels. Members of the public will be allowed access to the upper level in order to deposit waste in the receptacles provided. Bags of domestic waste delivered to the site by individuals are counted, a charge levied, and then deposited in the compactor unit. The originator and quantity of materials delivered to the facility will be recorded.

Only licensed hauliers will have access to the lower level in order to remove those receptacles that are full of waste. Refuse vehicles arriving at the facility will be weighed and directed to the lower level for removal of waste.

On exit, prior to dispatch from the facility, details such as weight, destination and nature of waste and recyclables are recorded.

Specialist recyclers will service the various receptacles. Specialist waste handlers will collect the hazardous waste for treatment off-site. A self-contained compactor will be included for the deposit of bags of household waste by the public. Filled containers will be transferred off-site for final disposal to landfill. A self-contained compactor will also be included for the deposit of cardboard. The type and model of compactors will depend on cost, availability, practicality, etc.

Article 12(1)(j) – Emissions from The Site

In relation to paragraphs (a) to (g) of Section 40(4) of the Act, Kerry County Council wishes to highlight the following:

(A)

A range of management techniques, elimination techniques and control techniques, in accordance with BAT Guidance Notes for the Waste Sector: Transfer Activities (Draft, November 2004) will be implemented to eliminate or reduce emissions from the facility.

Noise

Noise emissions may arise from operational plant as well as traffic to and from the site. Compaction operations and traffic movements to and from the site will however be limited to normal opening hours and so operations at the facility will not be expected to have a significant impact on existing background noise levels.

A noise monitoring survey has been carried out to establish background noise levels at the site of the proposed facility. Results of this survey will be established week ending 25th November 2005 and will be forwarded to the Agency accordingly. This will provide background data with which to assess the impact of noise at the facility once it is operational. Further noise monitoring will be carried out annually

Dust

Compacted waste will be stored in sealed containers. The entire site will be paved. These measures, together with good housekeeping practices and staff awareness will minimise dust emissions.

Ambient dust monitoring has been carried out. Results of this survey will be established week ending 2nd December 2005 and will be forwarded to the Agency accordingly. This will provide background data with which to assess the impact of operations at the facility. Further dust monitoring will be carried out annually.

Odour

The waste received at the facility is unlikely to give rise to odours due to the following measures:

- The waste will have undergone relatively little decomposition
- Waste for disposal shall be compacted within 12hrs of acceptance at the facility
- The quick turnaround times for the waste entering and leaving the facility. All compacted mixed municipal waste or waste with the potential to cause odour nuisance, shall be removed from the facility within 48hrs of being compacted at the site, with the exception of Bank Holiday weekends, when a limit of 72hrs shall apply.

Listowel Civic Amenity – Waste Licence Application

- The transfer and compaction of waste in sealed containers
- The storage of compacted waste in sealed containers.
- Construction and demolition waste, dry recyclable materials and wood shall not be stored on site for a period longer than 3 months.

Surface/Storm water

Surface water run-off from areas used for the storage and handling of waste will be diverted to the on-site wastewater treatment unit, thus minimising the potential for surface water contamination.

Surface water run-off from areas of the facility, which are not used for the storage and handling of waste, will be collected in the surface water drainage system and diverted via a Class 1 full retention interceptor to a perimeter drain to the NE of the site and ultimately to the River Feale.

All roads and hard standing areas will be impermeable. At permeable areas, such as grass or landscaping adjacent to impermeable surfaces, there will be kerbing to prevent run-off from the impermeable surfaces onto this ground.

The storage of waste in sealed containers will minimise the potential for leachate generation at the site.

Surface water monitoring has been carried out. Results of this survey will be established week ending 25th November 2005 and will be forwarded to the Agency accordingly.

Samples will be taken from the interceptor as well as upstream and downstream of the discharge point and sent for analysis twice a year. Results will be forwarded to the Agency.

Sewage/Wastewater

There will be no emissions to sewer from the facility, as foul sewage generated on the site will not be discharged to a municipal foul sewer.

Foul sewage generated at the facility will pass through a waste water treatment unit, which will satisfy the criteria set out in the Wastewater Treatment Manual “Treatment Systems for Single Houses”, published by the Agency.

(B)

The impact of the facility on various environmental media is addressed in Attachment I. It is concluded that activities at the site will not result in the generation of significant environmental pollution.

(BB)

Not applicable – activity concerned does not involve the landfill of waste.

(C)

Technologies to be used at the facility will be state-of-the-art for the waste industry. BATNEEC will be demonstrated at the site by:

- Use of electronically-controlled weighbridge to control waste enter and leaving the site
- Use of compactor for the compaction of mixed waste and cardboard
- Use of sealed trailers for the storage and transportation of waste

(CC)

The counties of Limerick, Clare and Kerry, incorporating the Local Authorities of Limerick County Council, Limerick Corporation, Clare County Council and Kerry County Council Agreed to jointly prepare a Waste Management Plan in accordance with the Waste Management Act 1996 and The Waste Management (Planning) Regulations 1997. This Waste Management Plan, adopted in September 2001, sets out the proposed policy for the following 25 years including “the planning, regulation, collection, recycling, recovery and disposal of such wastes in accordance with current national and EU waste legislation and policy”

The policy sets out the national targets, which will apply to waste management by local authorities.

Included in the new waste recycling targets are:

- Diversion of 50% of overall household waste away from landfill
- Minimum of 65% reduction in biodegradable waste consigned to landfill
- Recycling of at least 35% of municipal waste

These new national targets are to be achieved within fifteen years of development of The Waste Management Plan, and are intended to fulfil our obligations under EU legislation. Average household recycling for the Region in 2003 was 12%. The recycling target for the Region for 2013 is 45%. Introduction of a new Recycling Centre, such as the proposed Listowel Civic Amenity, will help to achieve these targets.

(D)

The applicant, being Kerry County Council, is a Local Authority and is therefore a fit and proper person to hold a Waste Licence.

(E)

Not applicable– Kerry Co. Council is the applicant

(F)

Energy efficiency has been considered in the design of the facility, including measures such as:

- The consideration of energy saving opportunities in storage areas, control rooms and offices required for the activity. For example – PIR sensors, compact fluorescent lights
- Ensuring energy efficient equipment is used.
- Ensuring equipment is serviced and maintained regularly
- Ensuring equipment is switched off, if safe to do so, when not in use

(G)

Noise from the activity will comply with any regulations under section 106 of the Act of 1992. See (A) above.

(H)

Information is given in Attachment J on all measures and procedures, which are proposed, for the prevention of accidents in the carrying on of activities at the Civic Amenity Facility. Information is also given on proposed measures and procedures for the minimisation of effects on the environment from accidental emissions and emergency situations, which may arise, should an accident occur.

(I)

Information is given in Attachment K on the details of the proposed decommissioning of the site. This outlines the necessary measures that will be taken upon the permanent cessation of activities at the Civic Amenity Facility.

Article 12(1)(k) – Nature of Emissions

Activities at the facility will not have an impact on the hydrogeology of the area. Waste will be stored in sealed containers, thus minimising the likelihood of leachate production at the site.

Any accidental chemical spillage will be contained on site and treated immediately.

All waste handling and storage will take place on concrete hard standing areas. Run-off from these areas will be conducted via a foul sewer to the on-site wastewater treatment unit.

Surface water run-off from hard standing areas that are not used for the storage or handling of waste will be collected in the surface water drainage system, which

discharges to a perimeter drain and ultimately to the River Feale, having passed through an interceptor as a precautionary measure. It is expected that these emissions will only occur during periods of precipitation.

There will not be any significant impacts on air quality as a result of operations at the facility. This is due to:

- Quick turn-around time for waste entering and leaving the facility
- Storage of waste in sealed containers
- Prevention of point source emissions

Exhaust emissions from vehicles entering and leaving the facility will have a minimal effect on ambient air quality.

Due to the nature of the facility and the road construction, it is envisaged that no significant dust emissions will be generated.

Noise emissions may arise from operational plant and vehicles during normal operating hours. These emissions will not however have significant impact on existing background levels.

Article 12(1)(l) – Effect of Emissions

Storm water run-off from areas of the site, which are used for the storage and handling of waste, will be conducted via a foul sewer to the on-site wastewater treatment system. This discharge is unlikely to have a significant effect on the receiving environment - treatment levels achieved in the system will prevent the treated wastewater from polluting groundwater whilst protecting the environment.

Storm water run-off from areas of the site, which are not used for the storage or handling of waste will discharge via a Class 1 full retention oil interceptor to a perimeter stream

and ultimately to the River Feale This discharge is unlikely to have a significant effect on the receiving environment.

The use of BATNEEC techniques and controls will ensure that operations at the facility will have minimal impact on background noise levels. Noise monitoring will be carried out annually to determine the impact of activities at the facility on ambient noise levels.

Article 12(1)(m) – Monitoring and Sampling Points

Air, noise and surface water monitoring were carried out at a number of locations on or near the proposed site. The results of this monitoring will provide baseline data, which can be used to assess the impact of activities at the site on the environment. Air, noise and surface water monitoring will be carried out during the operational life of the facility.

Article 12(1)(n) and (o) – Off-site Treatment or Disposal of Waste

Specialist recyclers will transport recyclable and reusable material arising from the Civic Amenity Centre to appropriate recycling centres.

Specialist waste handlers will transport domestic hazardous waste will off-site for disposal or recovery.

Compacted mixed waste will be delivered for disposal at The North Kerry Landfill, where it will be further inspected when tipped.

Article 12(1)(p) – Unauthorised or Unexpected Emissions

The only envisaged unauthorised or unexpected emission from the site is that which may result from an accidental spillage of oil or fuel from vehicles using the site or an

accidental spillage of dangerous/hazardous liquids. In the unlikely event of such an emission, the operator will ensure that:

- The spill is contained and cleaned up immediately
- The incident is recorded
- The EPA are notified
- Samples are taken and sent for external analysis

A spillage of greater than 100 litres of liquid will be treated as an emergency.

In the event that monitoring or sampling indicates that contamination has occurred, Kerry County Council will carry out an investigation to identify the source of the contamination. Furthermore, appropriate measures will be put in place to prevent further contamination occurring again in the future.

Article 12(1)(q) – Closure and Restoration

At present there are no plans to decommission the facility. Due to the fact that waste is not permanently held at the facility, it will not reach capacity at a certain point in time. In theory, the facility can operate indefinitely as waste merely passes through.

In the event of a permanent cessation of operations at the facility, Kerry County Council will provide the EPA with at least six months notice of closure. Following the cessation of operations, closure and restoration works would be carried out and all plant used at the facility removed.

Article 12(1)(r) – Financial Provision

Not applicable – applicable only to an application in respect of the landfilling of waste.

Article 12(1)(s) – S.1. No. 476 of 2000

Not applicable – The activity is not for the purposes of an establishment to which the European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations 2000 apply

Article 12(1)(t) – Emission into an Aquifer

There will be no emissions to groundwater from the facility due to the installation of hardstanding. Also, any area used for the storage of liquids or hazardous waste will be fully bunded.

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ATTACHMENT B

General

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Attachment B.1 – Site Ownership Plan

Figure B.1: The Site Ownership Plan. The area outlined in blue demonstrates the nature of the ownership of the land.

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Attachment B.2 1– Site Plan

Figure B.2.1: The Site Plan. The area outlined in red clearly identifies the boundaries of the activity.

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Attachment B.2.2 – The Location Map

Figure B.2.2: The Location Map. This includes relevant details within 500 metres of the site boundary

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Attachment B.2.3 – Services Plan

Figure B.2.3: The Service Plan. This includes details of all underground services, existing and planned, within 250 metres of the site boundary.

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Attachment B.3 – Planning Authority

The Planning Section of Kerry County Council, in compliance with Article 134 of the Local Government Planning and Development Regulations 1994, has granted planning permission for this facility.

The Applicant is the relevant Planning Authority. A letter informing the Planning Section of Kerry County Council of the application for a Waste Licence is not required.

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Attachment B.4 – Sanitary Authority

Attachment not required

There will be no emissions to sewer from the facility, as foul sewage generated on the site will not be discharged to a municipal foul sewer.

Foul sewage generated at the facility will pass through a waste water treatment unit, which will satisfy the criteria set out in the Wastewater Treatment Manual “Treatment Systems for Single Houses”, published by the Agency.

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Attachment B.5 – Other Authorities

Attachment not required

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Attachment B.6.1 – Site Notice

Attachment B.6.1 provides a copy of the text of the site notice

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**APPLICATION TO
THE ENVIRONMENTAL PROTECTION AGENCY
FOR
A WASTE LICENCE**

Notice is hereby given that in accordance with the provisions of the Waste Management Acts 1996 – 2003 and the Waste Management (Licensing) Regulations 2004, (S.I. No 395 of 2004) that Kerry County Council, having its principal offices Áras an Chontaé, Rathass, Tralee, Co. Kerry, will apply to The Environmental Protection Agency, P.O. Box 3000, Johnstown Castle, Co. Wexford, for the issue of a Waste Licence, in respect of a Civic Amenity Centre at Tanavalla Industrial Estate, Garryantanvally, Tralee Road, Listowel, Co. Kerry.

National Grid Reference for the site are: E98311 N132690

The facility will allow the general public to recycle and dispose of household waste materials. It will incorporate bins and containers for recyclable wastes and compactors to compact cardboard and mixed waste into enclosed containers.

The classes of activities to which the application relates are described below and are set out correspondingly in the Third and Fourth Schedules of the Waste Management Acts 1996 to 2003.

Classes of Activities

Third Schedule – Waste Disposal Activities

Class of Activity	Description	Quantity of waste likely to be handled (tpa)
Class 12	<p><i>“Repackaging prior to submission to any activity referred to in a preceding paragraph of this schedule”</i></p> <p>Municipal solid waste will be compacted on site into an enclosed container.</p> <p>This is the Principal Activity at the Civic Amenity Centre</p>	1500
Class 13	<p><i>“Storage prior to submission to any activity referred to in a preceding paragraph of this schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced”</i></p> <p>Municipal solid waste will be stored on site in an enclosed container prior to disposal off-site to licensed landfill.</p>	

Fourth Schedule – Waste Recovery Activities

Class of Activity	Description	Quantity of waste likely to be handled (tpa)
Class 2	<p><i>“Recycling or reclamation of organic substances, which are not used as solvents (including composting and other biological processes)”</i></p> <p>The Civic Amenity will provide for the recovery of paper, cardboard, timber and garden waste</p>	360
Class 3	<p><i>“Recycling or reclamation of metals and metal compounds”</i></p> <p>The Civic Amenity will provide for the recovery of food cans, aluminium cans, and scrap metals</p>	155
Class 4	<p><i>“Recycling or reclamation of other inorganic materials”</i></p> <p>The Civic Amenity will provide for the recovery of tetrapaks, textiles, household construction and demolition waste, electronic and electrical waste, white goods, glass, plastic bottles, household hazardous waste</p>	285
Class 13	<p><i>“Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced”</i></p> <p>Recyclable materials will be temporarily stored on site before being later removed offsite to appropriate recycling facilities.</p>	800

A copy of the Waste Licence Application and any such further information relating to the application as may be furnished to the Environmental Protection Agency in the course of the Agency’s considerations of the application will, as soon as is practicable after receipt by the Agency, be available for inspection or purchase, at the EPA Headquarters, Johnstown Castle Estate, Co. Wexford and at the offices of Kerry County Council, Áras an Chontaé, Rathass, Tralee, Co Kerry, during normal working hours (Monday to Friday excluding Public Holidays)

Charlie O’Sullivan
Senior Executive Officer
Corporate Services

Attachment B.6.2 – Location of Site Notice

Figure B.6.2: Location of site notice. This drawing shows the location on-site of the site notice

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Attachment B.6.3 – Newspaper Advertisement

Appendix 1 provides the whole/page of (in case of Application duplicates) newspaper containing the Newspaper Advertisement requesting a Waste Licence

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Attachment B.7.1 – Type of Waste Activity

Third Schedule: Waste Disposal Activities

Class 12: “Repackaging prior to submission to any activity referred to in an preceding paragraph of this Schedule”

This is the Principal Activity at the Civic Amenity Centre

Class 13: “Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.”

Municipal solid waste will be stored on site in an enclosed container prior to disposal off-site to North Kerry Landfill

Fourth Schedule: Waste Recovery Activities

Class 2: “Recycling or reclamation of organic substances, which are not used as solvents (including composting and other biological processes)”

Suitable receptacles will be provided on site for the recovery of the following materials:

- Paper
- Cardboard
- Timber
- Garden waste

Class 3: “Recycling or reclamation of metals and metal compounds”

Suitable receptacles will be provided on site for the recovery of the following materials:

- Food cans
- Aluminium cans
- Scrap metals

Class 4: “Recycling or reclamation of other inorganic materials”

Suitable receptacles will be provided on site for the recovery of the following materials:

- Tetrapaks
- Textiles
- Household construction and demolition waste
- Electronic and electrical waste
- White goods
- Glass
- Plastic bottles
- Household hazardous goods

Class 13: “Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced”

Certain materials will be temporarily stored on site before being later transported off site.

Attachment B.7.2 – Maximum Annual Tonnage

The maximum annual tonnage of waste to be handled at the site is based on:

- Proposed tonnage of waste to be handled in 2007 is 2300tpa
- The facility does not have a finite lifespan but estimates are calculated assuming a design life 25 years
- Annual waste intake increases at 3% per annum

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Attachment B.7.3 – Fees

The class of activities for which a fee is being submitted as per Part I of the Second Schedule of the Waste Management (Licensing) Regulations 2004, S.I. No. 395 of 2004. are:

Waste Activity 3.3

The disposal of waste (other than hazardous waste) at a facility (other than a landfill facility) where the annual intake is less than 25,000 tonnes

Fee amount: €10,000

Waste Activity 4

The recovery of waste

Fee amount: €10,000

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Attachment B.7.4 – Landfill Application

Not Applicable

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Attachment B.8. – Seveso II Directive

Not Applicable – The activity is not for the purpose of an establishment to which the European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations 2000 apply

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ATTACHMENT C
Management of the Facility

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Attachment C.1. – Technical Competence and Site Management

Kerry County Council will ensure that a suitably trained individual(s) are responsible for the day-to-day running and management of the Civic Amenity Centre

Any staff that work on site will be made aware of the environmental effects of activities at the site as part of the induction training. Instructions will be given as to the mitigation and control measures to be observed and adhered to at the site.

Kerry County Council will employ a full-time caretaker of the site, who will in turn report to the Area Engineer in Listowel

At least one caretaker will be required for the day-to-day operation of the Civic Amenity Centre. All those who wish to avail of the site facilities must check in with the caretaker, who should guide first time visitors around.

The caretaker will have responsibilities for the following activities on site:

- Operation of the compactor
- Co-ordination of activities at the Civic Amenity Centre
- Control of on-site traffic movements
- Maintenance of a record of the quantities and types of waste entering and leaving the facility
- Ensuring that the environmental mitigation measures and nuisance control measures in Sections E and F of this application are adhered to.
- Ensuring that containers of compacted waste and recyclables are collected and transferred to the agreed landfill or recovery facility
- Ensuring security measures at the site are not compromised at any time

Attachment C.2 – Environmental Management System

An Environmental Management System (EMS) has not been developed for the installation.

However, procedures for minimising the environmental impact of activities at the facility will be contained within the standard operating procedures for running the facility.

Procedures for the control of emissions and environmental nuisances are laid out in Section E and F of this application

Kerry County Council will develop an EMS in the first year of operation of the facility

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Attachment C.3 – Hours of Operation

- a) Proposed hours of operation:
 - 8.00am – 5.30pm four days per week
 - 8.00am – 7.30pm one day per week
 - 8.00am – 1.30pm Saturday

- b) Proposed hours of waste acceptance:
 - 8.30am – 5.00pm four days per week
 - 8.30am – 7.00pm one day per week
 - 8.30am – 1.00pm Saturday

- c) Proposed hours of construction and development works:
 - 8.00am – 5.00pm five days per week
 - 8.00am – 1.00pm Saturday

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Attachment C.4 – Conditioning Plan

Attachment not included – Conditioning Plan required for landfill only.

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ATTACHMENT D
Infrastructure and Operation

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Attachment D.1 – Infrastructure

D.1.a – Security

The site will be protected by a combination of natural local stonewall and 2m high green coated palisade fencing. A set of steel frame gates, sheeted with teak, will be erected across the main site entrance. (Drawing No. 10599-0001 and Drawing No. 10599-1001?) These will be locked when the Civic Amenity Centre is closed for business. All buildings on-site will be lockable.

The site will be staffed at all times during operational hours.

Security cameras will be installed at key access points linked to 72 hour recording equipment and remote access CCTV. This will deter any illegal dumping at the site and/or record the licence plates of those dumping illegally.

D.1.b – Site Roads

The Civic Amenity Centre will be located in a developing industrial estate – Tanavalla Industrial Estate. The main access road to this estate is the N69 approaching Listowel town. The service road through the estate exists as a single lane (each way) road.

Site roads within the development will be surfaced with:

- 45 mm of hot rolled asphalt on
- 55 mm Dense Bitumen Macadam on
- 150mm road-base of Clause 804 stone on
- 250mm sub-base of Clause 804 stone

D.1.c – Hardstanding Areas

The entire site will be paved – this will include either a flexible pavement or reinforced concrete slab.

All site roads and pedestrian walkways will be flexible paved construction and will be travelled by the public or recycling companies.

All areas used for placement of recycling bins, compactors and skips etc will be of reinforced concrete slab construction.

Surface water run-off from reinforced concrete slab areas will be diverted to the foul sewer. Surface water run-off from the remaining flexible paved areas will be discharged to existing watercourse. All storm water will pass through a petrol interceptor before discharge to watercourse.

Details of paved areas, as well as foul and surface water drains are shown in Drawing No. 10599-2001

D.1.d – Plant

A weighbridge will be provided to facilitate the accurate weighing of vehicles entering and leaving the site. All collection vehicles entering the site will have their weight recorded. They will be weighed again leaving the site. These weights will be recorded on a docket and computer database. Dockets will be filed for billing and archiving.

To accommodate large rigid vehicles, a 15m long by 3m wide deck will be installed. The maximum weight capacity of the weighbridge will be 60 tonnes. The weighbridge will be surface mounted or placed in a shallow pit. A surface mounted weighbridge requires foundation strips and ramps. A pit mounted weighbridge requires a shallow pit approximately 500mm deep.

The weighbridge will be located adjacent to the waste reception area and sufficiently far enough away from the public road to avoid queuing onto the road.

The proposed location of the weighbridge is shown on Drawing No. 10599-0001

D.1.e – Wheelwash

All traffic movements will be on hard standing and good management should ensure a wheel wash is not required.

D.1.f – Laboratory Facilities

There will be no laboratory facilities on-site. A Third Party will carry out any testing or monitoring required.

D.1.g – Fuel Storage Area

Fuel will not be stored on site

D.1.h – Waste quarantine Area

There will be no waste quarantine area on-site. A separate building will be provided for household hazardous waste.

D.1.i – Waste Inspection Area

A waste inspection area will be located near the site office. This will be used if the caretaker suspects that any bags of household waste may contain material that should not be disposed of to landfill.

D.1.j – Traffic Control

All licensed haulier vehicles entering the site will pass over the weighbridge. Their weight will be recorded upon entry before proceeding to the relevant area for pick-up of waste or recyclables. Once loaded, the vehicle will pass over the weighbridge before exiting the site and again their weight will be recorded.

Vehicles depositing waste or recyclables will not be weighed. Delivery of recyclable is free of charge and delivery of non- recyclable waste will be charged based on the number of black bags of waste to be disposed of.

Movement of all vehicles over the weighbridge and through the non-weighbridge area will be controlled using electric traffic control barriers operated from the site office building.

The following tables illustrate the location and detail of signs and road markings:

Table D.1.1– Signs and Road Markings entering the Civic Amenity Centre

Location of sign/road marking	Detail of sign/road marking
Junction on N69	Directional signs
Site entrance gates	Site notice board (as per EPA requirements)
Entrance area before office	<ul style="list-style-type: none"> • Central broken white line • Sign for civic amenity centre • 10mph speed limit sign • Site safety information board.
Approach to weighbridge	Yield sign and road markings

Table D.1.2 – Signs and Road Marking in the Main Operational Area of the Civic Amenity Centre (Upper Level)

Location of sign/road marking	Detail of sign/road marking
Directly outside site office	<ul style="list-style-type: none"> • Levy board • First aid point • Barrier and stop sign
Main recycling and compactor area	<ul style="list-style-type: none"> • 10mph speed limit sign • Road markings to indicate pull-over area • Road markings to indicate one-way system • Necessary information boards

Table D.1.3 – Signs and Road Markings in the Lower level of the Civic Amenity Centre

Location of sign/road marking	Detail of sign/road marking
Weighbridge drive-off area	<ul style="list-style-type: none"> • Stop sign and barrier • 10mph speed limit sign
Pick-up area	10mph speed limit sign
Exit from pick-up area	<ul style="list-style-type: none"> • Signal lights to prevent outgoing traffic from colliding with incoming traffic on the one-way system • 10mph speed limit sign

Table D.1.4 – Signs and Road Markings leaving the Civic Amenity Centre

Location of sign/road marking	Detail of sign/road marking
Weighbridge deck	Stop sign and barrier
Exit area before gates	Central broken white line
Site exit at gates	<ul style="list-style-type: none"> • Directional road signs • Yield sign • Road markings

On-site Parking:

Adequate parking for staff and visitors will be provided in close proximity to site office building.

D.1.k – Sewerage and Surface Water Drainage Infrastructure

Details of the sewerage and surface water drainage infrastructure are shown on Drawing No.10599-2001

Waste water from staff and public facilities will discharge to the foul sewer system and flow by gravity to the on-site waste water treatment unit, which will satisfy the criteria set out in the Wastewater Treatment Manual “Treatment Systems for Single Houses” published by the Agency.

Surface water run-off from areas of the facility, which are used for the storage and handling of waste, will be diverted to the on-site wastewater treatment unit.

Surface water run-off from areas of the facility, which are not used for the storage and handling of waste, will be collected in the surface water drainage system and diverted via a Class 1 full retention interceptor to a perimeter drain to the NE of the site and ultimately to River Feale

D.1.1 – All Other Services

Existing three-phase electricity supply will be provided to power the compactor equipment. The main isolator and fuse box will be located in the control building

A mains water supply pipe passes along the service road through the industrial estate A 100mm diameter tapping will be taken from the main and into the site to supply the site buildings, fire hydrants and a number of hose points.

Three telephone lines will be connected to the site office. One line will serve a phone, another a fax and the third will serve the modem and security alarm monitoring system.

D.1.m – Plant Sheds, Garages and Equipment Compound

The compactors will be located on reinforced concrete slab pavement.

Bunded containers will be installed in the Household Hazardous Waste building. This structure will be of steel portal-frame construction with a pitched roof including minimum 10% translucent panels to provide natural lighting within.

A semi-enclosed area, the location of which is shown on Drawing No. 10599-001 will be provided for storage of white goods and electrical and electronic goods. These goods tend to be unsightly and may take up a substantial area of the Civic Amenity Centre, They will therefore be periodically removed using the backhoe loader and taken to the semi-enclosed area and stored at this location until they are removed from site.

D.1.n – Site Accommodation

The site office and public toilets are located in separate buildings. This allows for greater visibility from the office to all areas of the site. Also, as money will be handled and stored in this office during operating hours, it is more advisable to not allow public access to this area. On occasions that there may be only one person working on site, the office will have to be locked for certain periods of time during operating hours. On the grounds of security, there will be no reason for anyone to enter the office building during this time.

The site office will be a domestic type construction of cavity wall on strip foundation, with slated timber trussed roof. The building will contain a large desk, shelving and reception counter, a kitchenette, storage cupboards and a WC and shower room.

The public toilets will be of similar construction and will contain one female and one male toilet area, both accessible to those with disabilities.

D.1.o – Fire Control Systems

The 100mm diameter water connection to the site will feed a fire hydrant, located as shown on Drawing No.10599-2003. This hydrant is located centrally between the site office building and the Household Hazardous Waste building.

Hose reels will be placed at various locations through out the site

Fire extinguishers will be located in the site office building and also in the Household Hazardous Waste building.

Emergency telephone numbers for the local fire stations will be available in both buildings

D.1.p – Civic Amenity Site

Civic amenity facilities at the site for recyclable materials will be free of charge.

Recyclable material delivered to the site will be removed off site for recycling/recovery off-site.

Collection of municipal solid waste on the site will be tolled. A fee will be charged for this waste per bag. Kerry County Council will make a policy of charges in line with “the polluter pays” principal. All municipal solid waste will be compacted on site and then disposed of at The North Kerry Landfill. The location of the compactor is shown on Drawing No.10599-0001

The following recyclables will be deposited at the site:

General:

- Paper and cardboard
- Tetrapaks
- Textiles
- Metals
- Timber
- Household construction and demolition
- Garden waste
- Electronic and electrical waste
- White goods
- Food cans
- Aluminium cans
- Plastics

Hazardous:

- Waste edible oils and fats
- Waste hydraulic oils

- Waste engine gear and lubricating oils
- Batteries
- Paints, inks etc
- Pesticides
- Solvents
- Fluorescent tubes

A split-level concrete wall will allow for easier deposit of the following bulky materials and will also allow for the collection of these materials by roll-on/roll-off containers:

- Municipal solid waste
- Garden waste
- Household construction and demolition waste
- Loose metals
- Timber

The hours of operation of the proposed Civic Amenity Centre will be 8.00am - 5.30pm four days per week, 8.00am – 7.30pm one day per week and 8.00am – 1.30pm on Saturdays.

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D.1.q – Other Waste Recovery Infrastructure

There is no other waste recovery infrastructure

D.1.r – Composting Infrastructure

Not Applicable

D.1.s – Construction and Demolition Waste Infrastructure

Not Applicable

D.1.t – Incineration Infrastructure

Not Applicable

D.1.u – Other Infrastructure Proposed

There is no other infrastructure proposed for the site.

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Attachment D.2 – Facility Operation

D.2.a – Unit Operations

Table D.2.1 - Municipal Solid Waste

Activity	Location	Quantity of Material Processed	Brief Description
Waste Arrival on site	Weighbridge	1500 ²	Originator and amount of waste recorded on docket and on computer database
Waste Processing	Compactor	1500 ²	Waste compacted in compactors
Collection of waste	Container	1500 ²	Container of compacted waste connected to rigid lorry
Waste transported off site	Weighbridge	1500 ²	Weight and destination of material recorded on docket and on computer database

Table D.2.2 - Recyclables

Activity	Location	Quantity of Material Processed	Brief Description
Waste Arrival on site	Main recycling area	800 ²	Waste delivered by members of the public is accepted
Transfer of recyclable goods	Main recycling area	800 ²	Recyclable goods transferred into appropriate receptacles
Recyclable goods transported off site	Main recycling area	800 ²	Weight and destination of material recorded on docket and on computer database

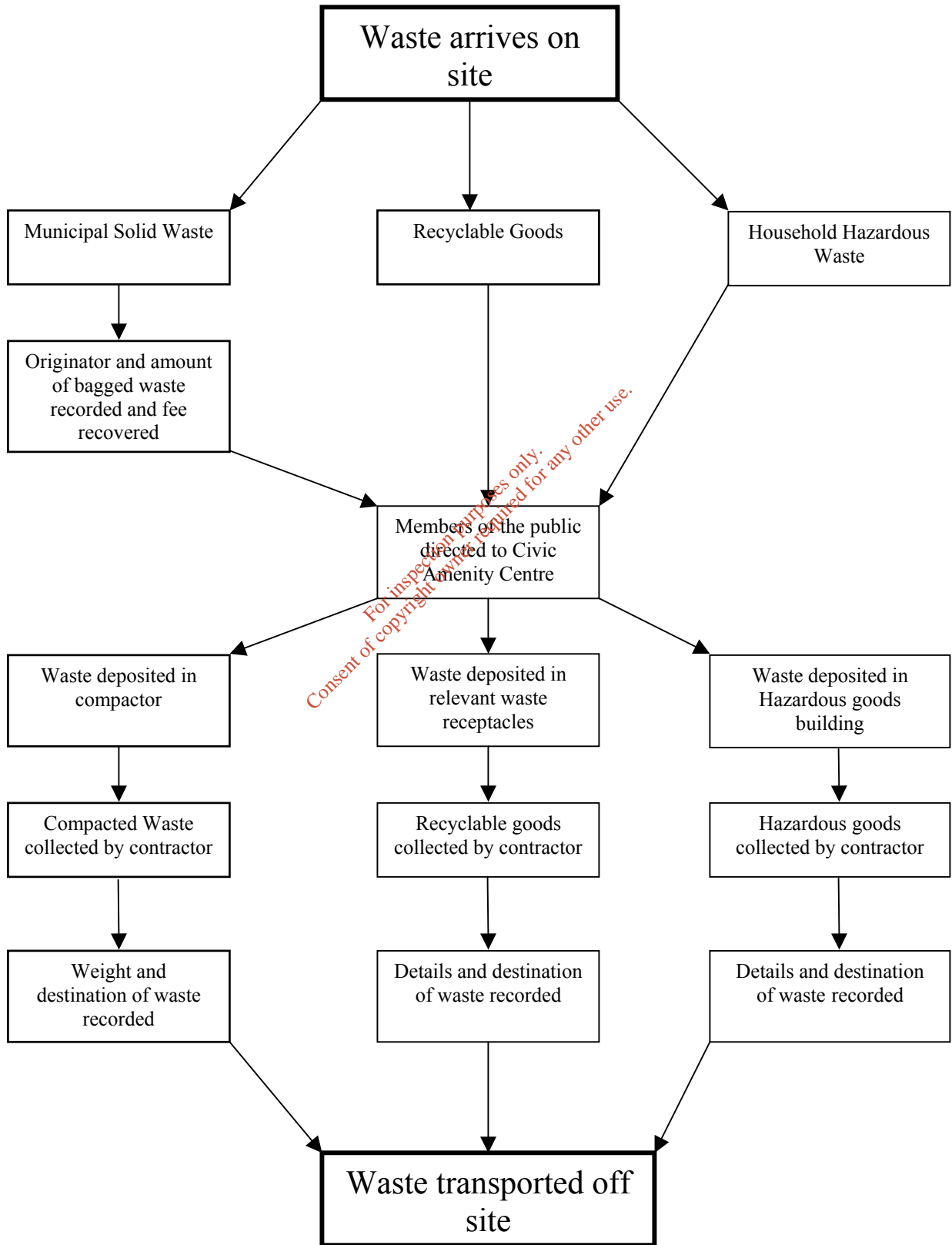
Note 2: These figures are estimates based on available data

Drawing No.10599-0001 shows the locations of the buildings at the proposed facility.

D.2.b – Flow Diagram

The acceptance and throughput of waste at the Civic Amenity Centre will be managed by the presence of competent site staff, who will be present on site at all times during normal operating hours.

Figure D.2.1 - Flow Diagram



D.2.c – Facility Operations

A caretaker, who will remain on site during operating hours, will operate the facility. The hours of operation of the proposed facility are 8.00am - 5.30pm four days per week, 8.00am – 7.30pm one day per week and 8.00am – 1.30pm on Saturdays.

The facility will close to the public and private waste operators at 5.00pm four days per week, at 7.00pm one day per week and at 1.00pm on Saturdays.

The site will be closed on Sundays and on Bank Holidays.

The Civic Amenity Centre may occasionally extend outside of these operating hours in order to facilitate maintenance and housekeeping activities.

D.2.d – Laboratory Facilities

Not applicable – no laboratory facilities at the proposed site

D.2.e – Incineration Facility

Not applicable – no incineration facility at the proposed site

D.3 to D.7 – Landfills

Not applicable

ATTACHMENT E

Emissions

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Attachment E.1 – Emissions to Atmosphere

There are unlikely to be any emissions to air or generation of odours as a result of operations at the facility

Compacted waste will be stored in sealed containers. The entire site will be paved. These measures, together with good housekeeping practices and staff awareness will minimise dust emissions and odour generation.

The waste received at the facility is unlikely to give rise to odours due to the following measures:

- The waste will have undergone relatively little decomposition
- Waste for disposal shall be compacted within 12hrs of acceptance at the facility
- The quick turnaround times for the waste entering and leaving the facility. All compacted mixed municipal waste or waste with the potential to cause odour nuisance, shall be removed from the facility within 48hrs of being compacted at the site, with the exception of Bank Holiday weekends, when a limit of 72hrs shall apply.
- The transfer and compaction of waste in sealed containers
- The storage of compacted waste in sealed containers.
- Construction and demolition waste, dry recyclable materials and wood shall not be stored on site for a period longer than 3 months.

Ambient dust monitoring has been carried out (See Attachment F). This will provide background data with which to assess the impact of operations at the facility. Further dust monitoring will be carried out annually.

The impact of exhaust emissions on ambient air quality, from vehicles entering the site, is expected to be minimal.

It can be concluded that the emissions to atmosphere at the facility will have minimal effect

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Attachment E.2 – Emissions to Surface Water

Surface water run-off from areas used for the storage and handling of waste will be diverted to the on-site wastewater treatment unit, thus minimising the potential for surface water contamination.

Surface water run-off from areas of the facility, which are not used for the storage and handling of waste, will be collected in the surface water drainage system and diverted via a Class 1 full retention interceptor to an existing perimeter stream at the NE of the site and ultimately to the River Feale.

Pipe sizes of the collection system and emission points for surface water can be seen in Drawing No. 10599-2001

All roads and hard standing areas will be impermeable. At permeable areas, such as grass or landscaping adjacent to impermeable surfaces, there will be kerbing to prevent run-off from the impermeable surfaces onto this ground.

The area of the roof and other impermeous areas drained for the collection system is 3365m²

The following are some further control measures, which will minimise the possibility of contamination of surface water run-off:

- The storage of waste in sealed containers will minimise the potential for leachate generation at the site.
- Good housekeeping measures such as sweeping of hard standing areas
- Use of absorbent material to clean up and contain accidental spillages

A surface water monitoring survey has been carried out. This will provide background data with which to assess the impact of surface water discharge at the facility once it is operational. Further monitoring will be carried out bi-annually.

Samples will be taken from the interceptor as well as upstream and downstream of the discharge point and sent for analysis twice a year. Results will be forwarded to the Agency.

Current climatological stations existing in County Kerry are located in Ardfert, Blennerville, Dooks and Muckross. Limited data exists for these stations and is not included in this application.

The closest weather station with long-term data is Valentia Synoptic Weather Station.

This station records meteorological elements on a daily basis.

Monthly and annual mean and extreme values are shown in Table E2

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**Table E.2.1 – Valentia Observatory Monthly and Annual Extreme Values (1961-1990)
(Met Éireann – The Irish Meteorological Service)**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Temperature (°c)													
Mean Daily Max	9.3	9.3	10.5	12.2	14.3	16.4	17.9	18.0	16.6	14.3	11.4	10.1	13.4
Mean Daily Min	4.2	3.9	4.6	5.5	7.5	10.1	11.7	11.6	10.3	8.6	6.0	5.0	7.4
Mean	6.8	6.6	7.6	8.9	10.9	13.3	14.8	14.8	13.5	11.5	8.7	7.6	10.4
Absolute Max	13.6	15.1	20.3	24.0	26.9	25.7	29.7	28.4	25.9	22.5	19.8	15.3	29.7
Absolute Min	-5.9	-7.3	-5.1	-1.6	0.5	2.8	5.3	3.3	2.8	-1.4	-4.0	-5.3	-7.3
Mean no. of days with air frost	3.4	3.3	2.2	0.6	0.0	0.0	0.0	0.0	0.0	0.1	1.3	3.0	13.9
Mean no. of days with ground frost	7.5	7.1	6.1	4.3	1.1	0.1	0.0	0.0	0.2	1.1	4.5	6.8	38.7
Relative Humidity (%)													
Mean at 0900 UTC	84	83	83	79	78	81	84	85	85	86	84	85	83
Mean at 1500 UTC	80	77	75	73	73	77	79	79	78	80	79	81	78
Rainfall (mm)													
Mean monthly total	166.66	123.0	122.9	76.2	89.6	79.2	74.0	110.8	123.8	156.4	148.3	159.2	1430.1
Greatest daily total	45.6	46.2	37.1	52.7	27.5	58.3	32.4	85.6	55.6	64.6	86.6	62.0	86.6
Mean no. of days with ≥ 0.2 mm	23	19	21	17	18	17	17	19	19	22	22	24	239
Mean no. of days with ≥ 1.0 mm	20	16	16	12	14	13	12	15	15	19	18	19	187
Mean no. of days with ≥ 5.00 mm	11	8	8	5	5	5	5	7	8	11	10	10	95
Sunshine (hours)													
Mean daily duration	1.41	2.16	3.05	5.00	5.81	5.12	4.53	4.5	3.61	2.53	1.72	1.17	3.39
Greatest daily duration	7.5	9.0	11.1	13.5	13.5	15.1	15.8	15.6	14.4	12.1	9.6	8.1	6.4
Mean no. of days with no sun	11	7	6	3	2	4	4	4	4	7	9	13	75
Wind (knots)													
Mean monthly speed	13.1	12.6	12.1	10.1	10.3	9.1	8.5	8.9	10.0	11.4	11.8	12.6	10.9
Max. gust	87	79	67	63	61	58	53	60	88	75	70	82	88
Max. mean 10-minute speed	54	49	40	38	39	40	31	36	58	49	45	47	58
Mean no. of days with gales	2.5	2.0	1.3	0.3	0.4	0.0	0.0	0.1	0.5	0.8	1.5	1.8	11.2
Weather (mean no. of days with...)													
Snow or sleet	1.5	1.7	1.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.8	5.6
Snow lying at 0900 UTC	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.8
Hail	5.1	4.2	4.6	2.5	1.1	0.1	0.0	0.1	0.3	0.9	2.9	3.6	25.5
Thunder	1.2	0.8	0.6	0.2	0.3	0.3	0.6	0.4	0.5	0.7	0.8	0.7	7.1
Fog	0.4	0.4	0.2	0.9	0.9	1.2	1.5	1.2	0.7	0.6	0.4	0.4	8.9

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Attachment E.3 – Emission to Sewers

There will be no emissions to sewer from the facility, as foul sewage generated on the site will not be discharged to a municipal foul sewer.

On site treatment is envisaged. Wastewater generated at the facility and storm water run-off from areas of the site used for the storage and handling of waste will pass through a waste water treatment unit, which will satisfy the criteria set out in the Wastewater Treatment Manual “Treatment Systems for Single Houses”, published by the Agency.

It is estimated that the volume of foul effluent generated at the facility will not exceed 4m³/day. This is based on:

- A maximum permanent staffing level of 3.
- 220 litres flow per population head (based on 200 litres + 10% infiltration), which multiplied by the population gives DWF (dry weather flow)
- Design for 6DWF to take account of daily peaks and daily and seasonal fluctuations in water consumption, together with an allowance for extraneous flows such as infiltration.

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Attachment E.4 – Emissions to Groundwater

There will be no emissions to groundwater from the facility due to the installation of hardstanding. Also, any area used for the storage of liquids or hazardous waste will be fully bunded.

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Attachment E.5 – Noise Emissions

Noise emissions may arise from operational plant at the civic amenity as well as traffic to and from the site.

However, compaction operations and traffic movements to and from the site will be limited to normal opening hours and so operations at the facility will not be expected to have a significant impact on existing background noise levels.

A noise monitoring survey has been carried out to establish background noise levels at the site of the proposed facility. Information on noise emissions will be forwarded to the Agency once results of completed survey are established. This will be the week ending 25th November 2005

This will provide background data with which to assess the impact of noise at the facility once it is operational. Further noise monitoring will be carried out annually

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Attachment E.6 – Environmental Nuisances

Attachment E.6 (i) - Bird Control

Operations at the Civic Amenity Centre will not give rise to a nuisance due to birds. All mixed waste will be deposited into the compactor and will be subsequently stored in the fully enclosed skip pending transfer to North Kerry Landfill or a recovery facility. Waste will not be exposed to the open air and therefore will not act as an attractant food source for scavenging birds

Attachment E.6 (ii) - Dust Control

Dust levels will be kept to a minimum on site as all areas are paved and high levels of housekeeping will be maintained.

The following techniques will be applied to minimise nuisance due to dust:

- Acceptance of bagged waste only
- Regular sweeping of access roads and all areas of hard-standing, in particular areas around the compactor and waste receptacles

Attachment E.6 (iii) - Fire Control

Fires will be treated as an accident/emergency situation and dealt with in accordance with site emergency procedures

The following techniques will be applied to minimise fire hazards:

- Site staff will be trained in the site emergency procedures in the event of fire
- Site visitors will be made aware of emergency procedures

- Appropriate fire fighting equipment will be provided on site
- Storage of flammable liquids on site will be kept to a minimum
- Fire fighting equipment will be inspected regularly
- Fire alarm equipment will be tested regularly
- Fire Risk Assessment will be reviewed regularly

Attachment E.6 (iv) - Litter Control

Operational procedures at the facility will ensure that litter generation will be minimised at all times. Waste will be deposited directly into the appropriate storage bins. Any waste that escapes will be immediately retrieved and put into the bins.

The site caretaker will collect any loose litter that may occur at the site boundary on daily litter patrols.

Attachment E.6 (v) - Traffic Control

See Attachment D.1.j

Attachment E.6 (vi) - Vermin Control

As previously described, any litter accumulating on or around the site will be removed and disposed on a regular basis

All mixed waste materials will be compacted on site immediately and are subsequently stored in a sealed container. The waste will therefore not be available to vermin and will not encourage their presence on site.

All biodegradable wastes will be removed within 48 hours of arrival

Kerry County Council will employ a pest control specialist to control intrusion of vermin. These contractors will visit the site on a monthly basis.

A written record will be kept at the facility of the programme for the control and eradication of vermin at the facility. These records shall include the following:

- Contractors details
- Contractors logs and site inspection reports
- Details of pesticides used
- Operator training details
- Details of any infestations
- Mode, frequency, location and quantity of application
- Measures to contain pesticides within the facility boundary

Attachment E.6 (vii) - Road Cleansing

The site roads will be maintained in a clean and tidy state at all times. This will eliminate any potential for soiling of the public roads outside the site.

In the unlikely event of public roads being soiled, Kerry County Council road sweeper vehicles will be employed to rectify the situation

ATTACHMENT F
Control and Monitoring

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Attachment F.1 – Treatment, Abatement and Control Systems

Attachment F.1 (i) - To Atmosphere:

There are unlikely to be any emissions to air or as a result of operations at the facility. Compacted waste will be stored in sealed containers. The entire site will be paved. These measures, together with good housekeeping practices and staff awareness will minimise dust emissions.

The impact of exhaust emissions on ambient air quality, from vehicles entering the site, is expected to be minimal.

It can be concluded that the emissions to atmosphere at the facility will have minimal effect

Attachment F.1 (ii) - To Surface Water:

Surface water run-off from areas of the facility, which are not used for the storage and handling of waste, will be collected in the surface water drainage system and diverted via a Class 1 full retention interceptor to a perimeter drain to the NE of the site and ultimately to the River Feale

Surface water run-off from areas used for the storage and handling of waste will be diverted via the sewer interceptor to the on-site wastewater treatment unit, thus minimising the potential for surface water contamination.

Pipe sizes of the collection system and emission points for surface water can be seen in Drawing No. 10599-0001

All roads and hard standing areas will be impermeable. At permeable areas, such as grass or landscaping adjacent to impermeable surfaces, there will be kerbing to prevent run-off from the impermeable surfaces onto this ground.

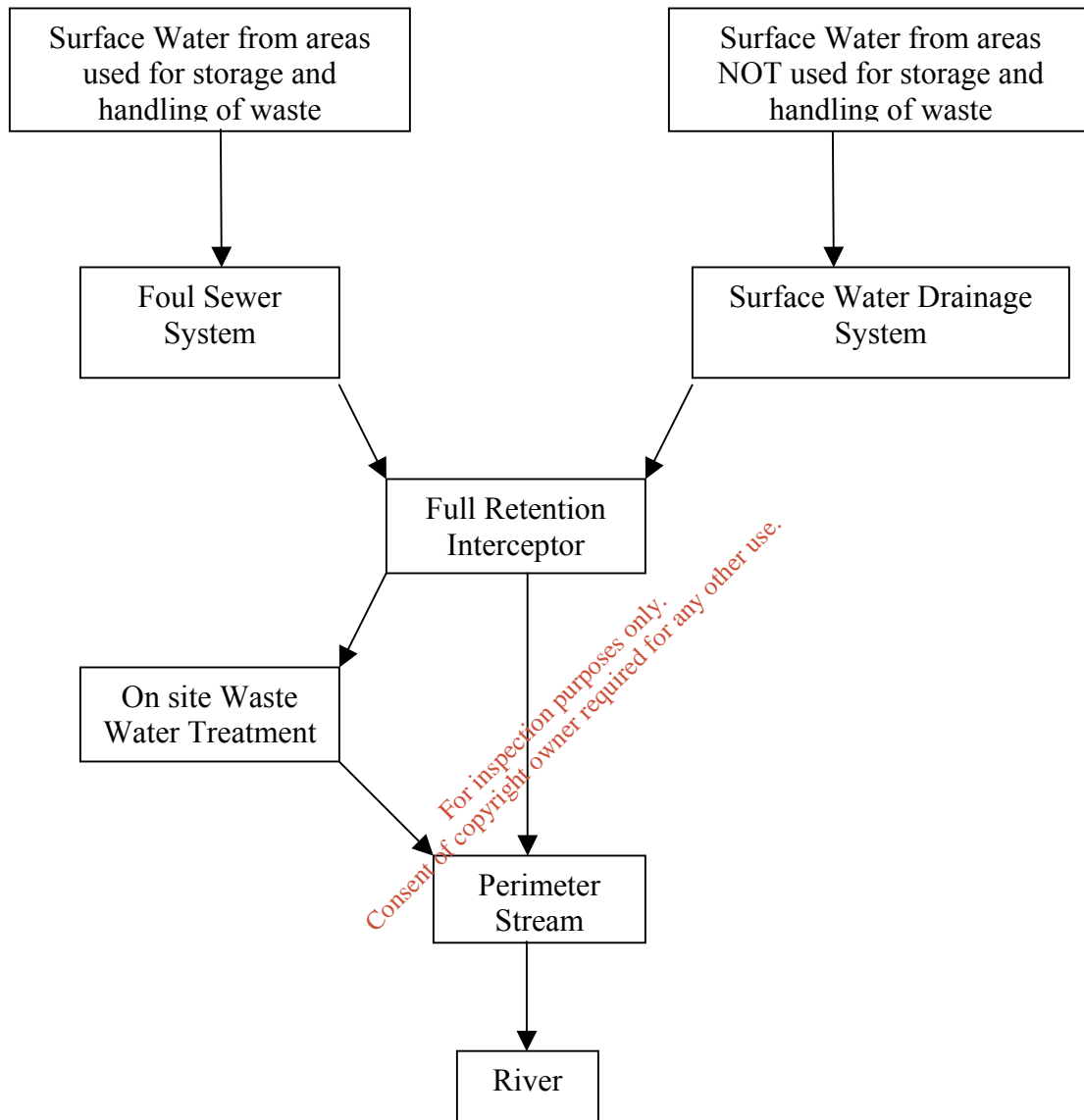
The area of the roof and other impervious areas drained for the collection system is 3365m²

The following are some further control measures, which will minimise the possibility of contamination of surface water run-off:

- The storage of waste in sealed containers will minimise the potential for leachate generation at the site.
- Good housekeeping measures such as sweeping of hard standing areas
- Use of absorbent material to clean up and contain accidental spillages

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Figure F.1.1 – Flow Diagram: Surface Water



Attachment F.1 (iii) - To Sewer:

There will be no emissions to sewer from the facility, as foul sewage generated on the site will not be discharged to a municipal foul sewer. On site treatment is envisaged.

Surface water run-off from areas used for the storage and handling of waste will be diverted via the sewer interceptor to the on-site wastewater treatment unit, thus minimising the potential for surface water contamination.

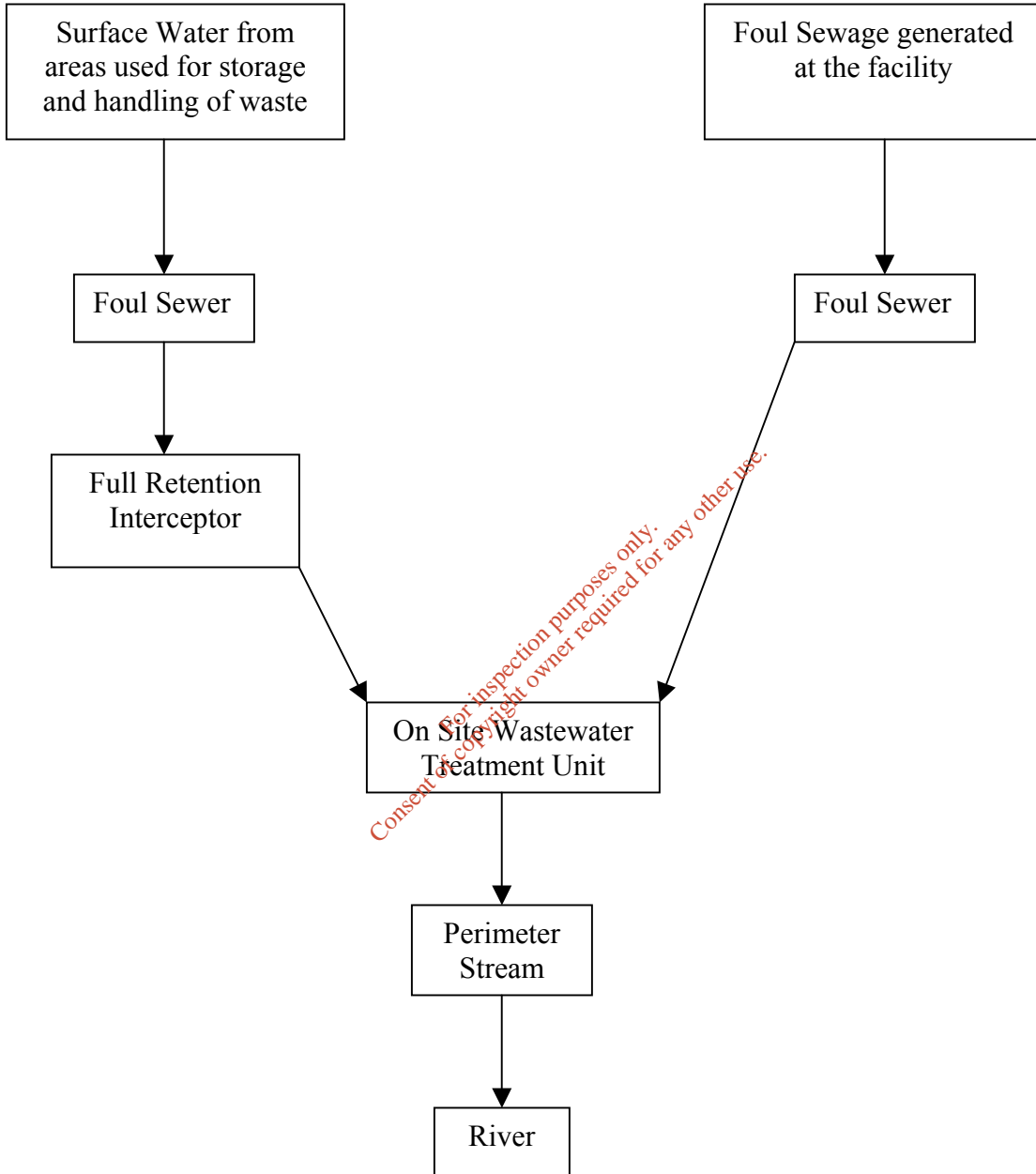
Wastewater generated at the facility will pass through a waste water treatment unit, which will satisfy the criteria set out in the Wastewater Treatment Manual “Treatment Systems for Single Houses”, published by the Agency.

The foul effluent discharge will by-pass the oil interceptor.

It is estimated that the volume of foul effluent generated at the facility will not exceed 4m³/day. This is based on:

- A maximum permanent staffing level of 3.
- 220 litres flow per population head (based on 200 litres + 10% infiltration), which multiplied by the population gives DWF (dry weather flow)
- Design for 6DWF to take account of daily peaks and daily and seasonal fluctuations in water consumption, together with an allowance for extraneous flows such as infiltration.

Figure F.1.2 – Flow Diagram: Sewer



Attachment F.1 (iii) - To Groundwater:

There will be no emissions to groundwater from the facility due to the installation of hard standing. Also, any area used for the storage of liquids or hazardous waste will be fully bunded.

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Attachment F.2 – Air Monitoring Points

Dust monitoring has been carried out at the site. Monitoring pots were located at various points. Settled dust was measured at the sites following the standard method recommended by the German Engineering Institute, to meet the T.A. Luft requirement. (VDI 2119 – Measurement of Dustfall: Determination of Dustfall using the Bergerhoff Instrument)

Results of this survey will be established week ending 2nd December 2005 and forwarded to the Agency accordingly. Dust monitoring will be carried out on an annual basis

Odour emissions will be minimal as there will be a very quick turnaround time for waste at the facility and will be transferred off site in sealed containers. Therefore, there are no plans to carry out routine odour monitoring.

Procedures for recording odour complaints, which will be included in the site Management Plan, will ensure that any incidents are recorded and dealt with quickly and efficiently.

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Attachment F.3 – Surface Water Monitoring and Sampling Points

Baseline surface water monitoring has been carried out. Results of this survey will be established week ending 25th November 2005 and will be forwarded to the Agency accordingly.

Kerry County Council will take samples from the interceptor chamber in the surface water sewer and upstream and downstream in the receiving water. Results will be sent for analysis two times a year. Results will be forwarded to the Agency.

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Attachment F.4 – Sewer Discharge Monitoring and Sampling Points

It is proposed to take a sample from the discharge side of the oil interceptor on the foul sewer system two times per year.

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Attachment F.5 – Groundwater Monitoring and Sampling Points

There will be no emissions to groundwater from the facility due to the installation of hard standing. Also, any area used for the storage of liquids or hazardous waste will be fully bunded.

For this reason, it is not proposed to install groundwater-monitoring wells

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Attachment F.6 – Noise Monitoring Points

A noise monitoring survey has been carried out to establish background noise levels at the site of the proposed facility.. Results of this survey will be established week ending 25th November 2005 and will be forwarded to the Agency accordingly.

Noise monitoring measurements were recorded using calibrated Bruel and Kjaer equipment, in accordance with standard methodology. Monitoring intervals were 30 minutes.

This will provide background data with which to assess the impact of noise at the facility once it is operational. Further noise monitoring will be carried out annually.

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Attachment F.7 – Meteorological Data

Activities at the proposed site will not have an impact on the local climatic conditions and therefore there is no intention to carry out routine meteorological monitoring.

The closest weather station with long-term data is Valentia Synoptic Weather Station. This station records meteorological elements on a daily basis.

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ATTACHMENT G
Resources Use and Energy Efficiency

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Attachment G.1 – Raw Materials and Product

The list of raw materials and intermediates that will be utilised in the proposed facility is minimal.

No packaging will be used as waste will be compacted and transferred directly in containers.

Diesel fuel will be used to run the backhoe loader on site. This will be delivered as required rather than stored on site. It is envisaged that the loader will consume approximately 1000 litres of diesel per annum.

Pesticides and insecticides will be used for the control and eradication of vermin and fly infestations at the facility.

A written record will be kept at the facility of the programme for the control and eradication. These records shall include the following:

- Contractors details
- Contractors logs and site inspection reports
- Details of pesticides and insecticides used
- Operator training details
- Details of any infestations
- Mode, frequency, location and quantity of application
- Measures to contain pesticides within the facility boundary

Further information on insecticides and rat poisons that may be used at the facility is not currently available, as Kerry County Council has not yet appointed a specialist contractor. Respective data and safety sheets will be forwarded to the Agency in due course.

Listowel Civic Amenity – Waste Licence Application

The compactor, lighting and all other ancillaries will consume electrical energy. Once records are available, figures detailing the annual consumption of energy can be forwarded to the Agency.

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Attachment G.2 – Energy Efficiency

The compactor, lighting and all other ancillaries will consume electrical energy. The compactor will require three-phase electricity.

Once records are available, figures detailing the annual consumption of energy can be forwarded to the Agency.

Energy efficiency has been considered in the design of the facility, including measures such as:

- The consideration of energy saving opportunities in storage areas, control rooms and offices required for the activity. For example – PIR sensors, compact fluorescent lights
- Ensuring energy efficient equipment is used.
- Ensuring equipment is serviced and maintained regularly
- Ensuring equipment is switched off, if safe to do so, when not in use

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ATTACHMENT H

Materials Handling

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Attachment H.1 – Waste Types and Quantities

Table H.1.1 - Quantity and Nature of Wastes¹

Material	European Waste Catalogue Code	Tonnes per annum
Mixed Waste	20 03 01	1500
Paper and Cardboard	20 01 01	160
Tetrapaks	15 01 05	10
Textiles	20 01 11	30
Metals	20 01 40	70
Timber	20 01 38	60
Household Construction & Demolition Waste	17 01 07	100
Garden Waste	20 02 01	200
Electronic and Electrical Waste	20 01 36	10
White Goods	20 01 36	60
Glass	20 01 02	40
Food Cans	20 01 05	10
Aluminium Cans	20 01 05	5
Plastic Bottles	20 01 39	10
Hazardous Goods		15 total
Waste Edible Oil and Fat	20 01 25	
Waste Hydraulic Oils	13 01 00	
Waste Engine Gear and Lubricating Oils	13 02 00	
Batteries	20 01 33	
White Good Components	20 01 23	
Electronic and Electrical Waste Components	20 01 35	
Paints, Inks, etc	20 01 27	
Pesticides	20 01 19	
Solvents	20 01 13	
Fluorescent Tubes	20 01 21	

Note 1: By reference to the relevant European Waste Catalogue Codes s presented by Commission Decision 2000/532/EC of May 2000.

The maximum annual tonnage of waste to be handled at the site is based on:

- Proposed tonnage of waste to be handled in 2007 is 2300tpa
- The facility does not have a finite lifespan but estimates are calculated assuming a design life 25 years
- Annual waste intake increases at 3% per annum

Only household hazardous waste will be accepted at the site. Special containers for the disposal of small volumes (domestic quantities) of household hazardous wastes will be provided in the Civic Amenity Centre

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Attachment H.2 – Waste Acceptance Procedures

At the Civic Amenity Site, the public will be able to dispose of recyclable waste, bulky waste (for example household construction and demolition waste, metals, timber, green waste) and residual mixed waste into a number of containers, each for a different waste type. Clear signage on site will indicate what each container is used for.

Waste accepted at the site will consist almost entirely of:

- Recyclable material from the private sector
- Domestic waste from private individuals
- Household hazardous waste

The acceptance and throughput of waste at the Civic Amenity Centre will be managed by the presence of competent site staff, who will be present on site at all times during normal operating hours.

Private vehicles (primarily cars, cars with small trailers and vans) will enter the site by the main entrance. The site caretaker will note the type and quantity of waste.

Where domestic waste is being disposed of, the caretaker will charge the applicable fee and direct the individual to the compactor. Individuals will be charged per bag for domestic waste accepted at the site. The caretaker will complete a receipt of payment and a copy will be retained on site for record purposes. Information recorded will include date, time, and quantity of waste, vehicle registration where applicable and name of person bringing the waste to the site.

Material brought to the site for recycling will be accepted free of charge and the caretaker will direct the individual to the recycling receptacles. Private vehicles may park in the dedicated pullover areas beside the containers and receptacles.

Listowel Civic Amenity – Waste Licence Application

The caretaker of the site will have the responsibility of ensuring that only acceptable wastes are deposited at the Civic Amenity Site.

If the caretaker suspects that any bags of household waste may contain material that should not be disposed of to landfill, he/she may inspect the material in the waste inspection area. If appropriate, the individual will be directed to the relevant receptacle. Any non-acceptable waste-type will be taken off-site by the original carrier.

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Attachment H.3 – Waste Handling

Recyclable material, non-recyclable material and household hazardous waste will be accepted at this Civic Amenity Site.

Waste delivered to the site by individuals will be separated into:

- Non-recyclable waste, which will be delivered to the compactor,
- Recyclable waste, which will be delivered to the appropriate container and
- Household hazardous waste, which will be delivered to the area of the site dedicated to these wastes

Any waste that falls outside the compactor and other containers will be picked up directly and deposited accordingly.

Mixed domestic waste will be compacted. Once the container has reached its capacity, it will be disconnected from the compactor and moved aside. An empty container will be put in its place and connected to the compactor. Containers full of compacted waste will be collected by a licensed contractor and transferred off site for disposal at North Kerry Landfill. All waste will be weighed before leaving the civic amenity site and a service docket completed detailing the weight, type and destination of the waste.

There will be two compactors on site for the compaction of mixed domestic waste, to avoid significant disturbances in the event of prolonged malfunction of one of the compactors. Any overburden of waste in this instance will be diverted to another licensed facility or the waste may be deposited into hook-and-lift containers.

Receptacles of recyclable waste at full capacity will be collected by a licensed contractor and transferred off-site. All waste will be weighed before leaving the civic amenity site and a service docket completed detailing the weight, type and destination of the waste.

ATTACHMENT I
Existing Environment & Impact Of The Activity

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Attachment I.1 – Assessment of Atmospheric Emissions

I.1.(i) – Dust

Ambient air sampling was conducted between October and November 2005. The level of dust deposition was determined at various locations around the site.

Settleable dust was measured at the sites following the standard method recommended by the German Engineering Institute, to meet the T.A. Luft requirement. (VDI 2119 – Measurement of Dustfall: Determination of Dustfall using the Bergerhoff Instrument)

Results of this monitoring will be established week ending 25th November 2005 and forwarded to the Agency accordingly.

Due to the nature of the waste streams accepted on the site, there are unlikely to be any significant impacts on air quality as a result of operations at the facility.

The following operational procedures at the site minimise the impacts on air quality:

- Waste will be compacted on arrival at the site
- Once compacted, waste will be stored in sealed containers prior to transfer to landfill.

Mitigation measures to eliminate any potential dust problem on site will include good housekeeping practices and road sweeping when necessary.

The impacts on ambient air quality from exhausts entering the site are expected to be minimal.

I.1.(ii) – Odours

Waste has the potential for generating odours. This potential will be mitigated by fast turnaround of waste.

The waste received at the facility is unlikely to give rise to odours due to the following measures:

- The waste will have undergone relatively little decomposition
- Waste for disposal shall be compacted within 12hrs of acceptance at the facility
- The quick turnaround times for the waste entering and leaving the facility. All compacted mixed municipal waste or waste with the potential to cause odour nuisance, shall be removed from the facility within 48hrs of being compacted at the site, with the exception of Bank Holiday weekends, when a limit of 72hrs shall apply
- The transfer and compaction of waste in sealed containers
- The storage of compacted waste in sealed containers.
- Construction and demolition waste, dry recyclable materials and wood shall not be stored on site for a period longer than 3 months.

**Attachment I.2 – Assessment of Impacts of Surface Water Discharges on the
Receiving Waters**

Surface water monitoring has been carried out. Results of this survey will be established week ending 25th November 2005 and will be forwarded to the Agency accordingly. Samples will be taken from the interceptor as well as upstream and downstream of the discharge point and sent for analysis twice a year. Results will be forwarded to the Agency.

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Attachment I.3 – Assessment of Impact of Receiving Sewer

There will be no emissions to sewer from the facility, as foul sewage generated on the site will not be discharged to a municipal foul sewer.

On site treatment is envisaged. Wastewater generated at the facility and storm water run-off from areas of the site used for the storage and handling of waste will pass through a waste water treatment unit, which will satisfy the criteria set out in the Wastewater Treatment Manual “Treatment Systems for Single Houses”, published by the Agency.

It is estimated that the volume of foul effluent generated at the facility will not exceed 4m³/day. This is based on:

- A maximum permanent staffing level of 3.
- 220 litres flow per population head (based on 200 litres + 10% infiltration), which multiplied by the population gives DWF (dry weather flow)
- Design for 6DWF to take account of daily peaks and daily and seasonal fluctuations in water consumption, together with an allowance for extraneous flows such as infiltration

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Attachment I.4 – Assessment of Impact to Groundwater and Soils

There will be no emissions to groundwater from the facility due to the installation of hardstanding. Also, any area used for the storage of liquids or hazardous waste will be fully bunded.

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Attachment I.5 – Ground and/or Groundwater Contamination

Ground and groundwater contamination does not apply to this site. This site is presently a Greenfield site.

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Attachment I.6 – Noise Impact

A noise monitoring survey has been carried out to establish background noise levels at the site of the proposed facility. Results of this survey will be established week ending 25th November 2005 and will be forwarded to the Agency accordingly. This will provide background data with which to assess the impact of noise at the facility once it is operational. Further noise monitoring will be carried out annually

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Attachment I.7 – Assessment of Ecological Impacts & Mitigation Measures

As this is not a large-scale waste facility such as a landfill or incinerator development, it is not necessary to assess the ecology of the site and the surrounding area.

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ATTACHMENT J
Accident Prevention & Emergency Response

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Attachment J.1 – Incidence Which could Trigger an Emergency Response Procedure

J.1 (i) – Fire in an incoming vehicle

A vehicle delivering waste to a site may be a source of a fire. Any waste that appears to smoulder will not be accepted at the facility. If there is evidence of a fire on a vehicle, the driver will be asked to remove the vehicle from the site. The Fire Brigade will be called to deal with the fire on the vehicle. On arrival of fire services the site manager will liaise with the fire officer and follow his instructions.

J.1 (ii) – Fire or explosion on site

In the event of a fire within the confines of the site or in a waste container, fire services will be called and the facility will be closed to the public. On arrival of fire services the site manager will liaise with the fire officer and follow his instructions.

The site office and on-site storage containers both contain minimal amounts of combustible material and therefore the risk of a fire occurring is very minor. A fire at these locations would most likely be dealt with using a hose reel or fire extinguisher.

In the event of a fire within a waste container, the container will be removed to a safe distance from the compactor and doused with water using a hose reel from the open end of the container. The waste should not be removed from the container. As bins are enclosed, the potential for a serious fire does not exist.

Any water used to quench the fire will be collected in the foul water system.

J.1 (iii) - Spillage of oil or fuel

If a vehicle is leaking fuel or oil before entry, it will not be allowed on site.

In the event of oil or fuel spillage on site from any vehicle, the booms and oil absorbent on site will contain the spillage. Additional booms may be obtained from the Oil Pollution Officer in The Council headquarters. Any liquid recovered will be disposed of at an appropriate licensed facility. Therefore the risk to the environment is minimal.

In the event of any dangerous substance escaping to surface waters, the South Western Fisheries Board will be contacted.

J.1 (iv) – Spillage of dangerous or hazardous liquid

If a vehicle is leaking hazardous liquid or gas before entry, it will not be allowed on site.

In the event of a vehicle leaking hazardous liquid or gas on site, fire services will be called immediately. A doctor and/or the ambulance will be called if any person has come in contact with any dangerous or hazardous substance on site.

The nature of the discharging liquid or gas will be ascertained. Booms and chemical absorbent will be used to contain any chemical spillages. If dangerous or hazardous liquids or fumes are being released, the facility will be closed and all persons evacuated to a safe distance.

If appropriate, adjoining householders will be contacted and advised to evacuate their premises. If necessary, the County Council Safety Officer and the County Council Water Pollution Officer will be contacted.

In the event of any dangerous substance escaping to surface water, the South Western Fisheries Board will be contacted.

Any liquid recovered will be disposed of at an appropriate licensed facility.

J.1 (v) – Incident posing significant threat to the environment

Surface water drains will be visually inspected weekly. Surface water and foul water discharges will be monitored quarterly.

If the visual inspection indicates a deviation in any of the parameters specified in the licence, the following measures will be taken:

- The source of the discharge will be traced immediately
- The Council Water Pollution Officer will be contacted and a sample of the discharge will be tested.
- The South Western Fisheries Board will be contacted in the event of a likely threat to any salmon river
- In the event of analysis of a sample indicating that emission limits have been exceeded, the Agency and the South Western Fisheries Board will be informed.
- The source of the problem will be identified and remedial action will be initiated.

Noise and dust emissions will be monitored annually. If the monitoring procedures indicate a deviation in any of the parameters specified in the licence, the following measures will be taken:

- The source of the problem will be traced
- The Agency will be informed
- Remedial action will be initiated.

The Major Emergency Plan for the County will be initiated if the emergency is of a nature which:

- Causes a threat to the health of the community
- Causes disruption of essential services
- Causes or is likely to cause serious numbers of casualties
- Causes or is likely to cause serious damage to properties
- Causes or is likely to cause serious damage to the environment

J.1 (vi) – Incident posing a significant threat to the health and safety of any persons

In the event of an accident or an incident causing injury to an individual on site, the following procedures should be carried out as appropriate:

- Call the doctor and/or ambulance
- Call the Fire Brigade if any person is trapped in a vehicle/machine, vehicles are involved in the accident or if a vehicle is in a dangerous state
- Close the facility
- Call the Gardaí if any person is injured or thought to be injured by a vehicle
- Contact Kerry County Council Safety Officer
- Use oil absorbent and booms if there is an oil spillage.
- Use absorbent in the event of a chemical spill
- Evacuate the site in the event of release of a dangerous or hazardous gas.
- Do not move the injured person unless there is an immediate danger to that person

J.1 (vii) – Closure of the facility due to mechanical failure, power failure or industrial dispute

In the event of mechanical failure or electrical failure, resulting in the non-operation of the compaction equipment, the following procedure will be followed:

- If the compactor is likely to be out of operation for greater than 6 hours, the facility will be closed and an appropriate notice will be erected at the entrance gates. Waste contractors will be informed of the closure of the facility
- In the event of a mechanical failure, the maintenance contractor will be contacted.
- In the event of an electrical failure, the Council electrician will be contacted
- In the event of an industrial dispute, which prevents waste from being accept at or removed from the site, the site will be closed and waste contractors likely to be affected will be contacted

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Attachment J.2 – Responsibility

The Site Manager or the caretaker (whoever is on site at the time of the accident or emergency) is responsible for any Emergency Response Procedure

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Attachment J.3 – Notification

In the event of an emergency, the following are to notified:

- **Fire Services** – in the event of a fire or a serious accident involving mobile plant or equipment
- **Ambulance Services/Medical Team** – in the event of a serious injury or a threat to human life
- **Gardaí** – in the event of a serious fire, an explosion or an accident involving a vehicle
- **Senior Personnel within the Kerry County Council** – County Engineer, Senior Executive Engineer, Local Engineer
- **Environmental Protection Agency** – as required by the Waste Licence
- **South Western Fisheries Board** – in the event of any dangerous substance escaping to surface waters

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Attachment J.4 – Records

Records of all emergencies and actions taken will be maintained at the facility. An emergency report form and site incident log will be completed and a copy maintained at the site office.

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Attachment J.5 – Communications

All parties involved in the Emergency Response Procedure will be issued with a draft proposal of the procedure. Any recommendations by the Agency will be adhered to and a final copy of the approved procedure will then be circulated to all parties. A copy of the response procedures will be issued to all site staff and will be displayed in the facility office.

A list of relevant telephone numbers of persons contactable in the event of an emergency is outlined in Table J.1 and Table J.2. These tables will be displayed in the facility office.

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Table J.5.1 – Phone Numbers of Personnel who can be contacted in the event of an Emergency

POSITION	NAME	PHONE NUMBER
Senior Executive Engineer	Ger O' Sullivan	087 2857538
Executive Engineer	Pat Phelan	066 7162000
Environmental Services Supervisor	John Mannix	087 4183170
Assistant Environmental Services Supervisor	Mossie Joy	087 8381196
Executive Chemist	David Lenihan	066 7183500 or 087 2272165
Exec. Chemist Assistant Oil Pollution Control Officer	Vincent Hayes	066 7162000 or 087 2342895
Safety Officer	Robert Stuart	066 7183500
Machinery Engineer	Don O Herlihy	066 7183500 or 087 2937064
Listowel Area Engineer	John Ahern	068 21245
Sanitary Services Area Engineer		

Table J.5.2 – Phone Numbers of Services that can be contacted during Emergency

SERVICE	LOCATION	PHONE NUMBER
Emergency Services	Fire Brigade, Ambulance, Gardaí	999 or 112
Kerry County Council	Head Office	066 7121111
Kerry County Council	Listowel Area Office	068 49200
Chief Fire Officer	Fire Station, Tralee	066 7121111
Emergency Pollution Number	Tralee	066 7181686

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Attachment J.6 – Training

Site staff will receive necessary training from the Fire Officer, in dealing with fire on site.

The Executive Engineer in charge will instruct site staff on this procedure.

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Attachment J.7 – Accidental emissions and emergency situations outside of normal working hours

In the event of accidental emissions and emergency situation that may occur outside of normal working hours, the following person will be contactable:

John Mannix 087 4183170

This name and number will be displayed on the notice board at the site entrance.

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Attachment J.8 –Public Liability insurance

Kerry County Council do not have Environmental Impairment Insurance or specific insurance against accidental Environmental damage.

However, Kerry County Council believe that a low risk is associated with the activities proposed at the Civic Amenity Centre. Kerry County Council carries the risks of any environmental pollution from their own resources and assets.

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ATTACHMENT K
Remediation, Decommissioning, Restoration & Aftercare

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Attachment K.1 – Cessation of The Activity

K.1 (i) – Decommissioning

In the event of cessation of activities at the Civic Amenity Facility, Kerry County Council proposes the following closure and restoration measures:

- The equipment used at the site will be removed by Kerry County Council
- Portable structures, such as recycling receptacles, will be removed from the site
- Street sweeper vehicles will be employed to clean the site
- Kerry County will remove office equipment
- Kerry County Council will provide the EPA with at least six months written notice of any intention to close the facility.

K.2 (ii) – Residual Management Plan

There are no plans to decommission the Civic Amenity Facility in the foreseeable future. A Residual Management Plan has therefore not been prepared.

Activities at the site are unlikely to result in either groundwater or land contamination and permanent storage of waste on the site will not occur.

In the event of decommissioning of the facility, the site would not require a special Residual Management Plan with respect to the waste facility.

ATTACHMENT L
Statutory Requirements

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Attachment L.1 – Section 40(4) of The Waste Management Acts 1996 – 2003

In relation to paragraphs (a) to (i) of Section 40(4) of the Act, Kerry County Council wishes to highlight the following:

(A)

A range of management techniques, elimination techniques and control techniques, in accordance with BAT Guidance Notes for the Waste Sector: Transfer Activities (Draft, November 2004) will be implemented to eliminate or reduce emissions from the facility.

Noise

Noise emissions may arise from operational plant as well as traffic to and from the site. Compaction operations and traffic movements to and from the site will however be limited to normal opening hours and so operations at the facility will not be expected to have a significant impact on existing background noise levels.

A noise monitoring survey has been carried out to establish background noise levels at the site of the proposed facility. Results of this survey will be established week ending 25th November 2005 and will be forwarded to the Agency accordingly. This will provide background data with which to assess the impact of noise at the facility once it is operational. Further noise monitoring will be carried out annually

Dust

Compacted waste will be stored in sealed containers. The entire site will be paved. These measures, together with good housekeeping practices and staff awareness will minimise dust emissions.

Ambient dust monitoring has been carried out. Results of this survey will be established week ending 2nd December 2005 and will be forwarded to the Agency accordingly. This will provide background data with which to assess the impact of operations at the facility. Further dust monitoring will be carried out annually.

Odour

The waste received at the facility is unlikely to give rise to odours due to the following measures:

- The waste will have undergone relatively little decomposition
- Waste for disposal shall be compacted within 12hrs of acceptance at the facility
- The quick turnaround times for the waste entering and leaving the facility. All compacted mixed municipal waste or waste with the potential to cause odour nuisance, shall be removed from the facility within 48hrs of being compacted at the site, with the exception of Bank Holiday weekends, when a limit of 72hrs shall apply.
- The transfer and compaction of waste in sealed containers
- The storage of compacted waste in sealed containers.
- Construction and demolition waste, dry recyclable materials and wood shall not be stored on site for a period longer than 3 months.

Surface/Storm water

Surface water run-off from areas used for the storage and handling of waste will be diverted to the on-site wastewater treatment unit, thus minimising the potential for surface water contamination.

Surface water run-off from areas of the facility, which are not used for the storage and handling of waste, will be collected in the surface water drainage system and diverted via a Class 1 full retention interceptor to a perimeter drain to the NE of the site and ultimately to the River Feale.

All roads and hard standing areas will be impermeable. At permeable areas, such as grass or landscaping adjacent to impermeable surfaces, there will be kerbing to prevent run-off from the impermeable surfaces onto this ground.

The storage of waste in sealed containers will minimise the potential for leachate generation at the site.

Surface water monitoring has been carried out. Results of this survey will be established week ending 25th November 2005 and will be forwarded to the Agency accordingly.

Samples will be taken from the interceptor as well as upstream and downstream of the discharge point and sent for analysis twice a year. Results will be forwarded to the Agency.

Sewage/Wastewater

There will be no emissions to sewer from the facility, as foul sewage generated on the site will not be discharged to a municipal foul sewer.

Foul sewage generated at the facility will pass through a waste water treatment unit, which will satisfy the criteria set out in the Wastewater Treatment Manual “Treatment Systems for Single Houses”, published by the Agency.

(B)

The impact of the facility on various environmental media is addressed in Attachment I. It is concluded that activities at the site will not result in the generation of significant environmental pollution.

(BB)

Not applicable – activity concerned does not involve the landfill of waste.

(C)

Technologies to be used at the facility will be state-of-the-art for the waste industry. BATNEEC will be demonstrated at the site by:

- Use of electronically-controlled weighbridge to control waste enter and leaving the site
- Use of compactor for the compaction of mixed waste and cardboard
- Use of sealed trailers for the storage and transportation of waste

(CC)

The counties of Limerick, Clare and Kerry, incorporating the Local Authorities of Limerick County Council, Limerick Corporation, Clare County Council and Kerry County Council Agreed to jointly prepare a Waste Management Plan in accordance with

the Waste Management Act 1996 and The Waste Management (Planning) Regulations 1997. This Waste Management Plan, adopted in September 2001, sets out the proposed policy for the following 25 years including “the planning, regulation, collection, recycling, recovery and disposal of such wastes in accordance with current national and EU waste legislation and policy”

The policy sets out the national targets, which will apply to waste management by local authorities.

Included in the new waste recycling targets are:

- Diversion of 50% of overall household waste away from landfill
- Minimum of 65% reduction in biodegradable waste consigned to landfill
- Recycling of at least 35% of municipal waste

These new national targets are to be achieved within fifteen years of development of The Waste Management Plan, and are intended to fulfil our obligations under EU legislation. Average household recycling for the Region in 2003 was 12%. The recycling target for the Region for 2013 is 45%. Introduction of a new Recycling Centre, such as the proposed Listowel Civic Amenity, will help to achieve these targets.

(D)

The applicant, being Kerry County Council, is a Local Authority and is therefore a fit and proper person to hold a Waste Licence.

(E)

Not applicable– Kerry Co. Council is the applicant

(F)

Energy efficiency has been considered in the design of the facility, including measures such as:

- The consideration of energy saving opportunities in storage areas, control rooms and offices required for the activity. For example – PIR sensors, compact fluorescent lights
- Ensuring energy efficient equipment is used.
- Ensuring equipment is serviced and maintained regularly
- Ensuring equipment is switched off, if safe to do so, when not in use

(G)

Noise from the activity will comply with any regulations under section 106 of the Act of 1992. See (A) above.

(H)

Information is given in Attachment J on all measures and procedures, which are proposed, for the prevention of accidents in the carrying on of activities at the Civic Amenity Facility. Information is also given on proposed measures and procedures for the minimisation of effects on the environment from accidental emissions and emergency situations, which may arise, should an accident occur.

(I)

Information is given in Attachment K on the details of the proposed decommissioning of the site. This outlines the necessary measures that will be taken upon the permanent cessation of activities at the Civic Amenity Facility.

Attachment L.2 – Fit and Proper Person

This section is not applicable as the applicant, Kerry County Council, is a local authority

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