

# Waste Management (Food Waste) Regulations 2009

Cork County Council

19 April 2010

Mallow



# Summary of Presentation

- Background
- Overview of Regulations
- Your Obligations

# EU Landfill Directive 1999/31/EC

- Imposes a ban on landfill of certain wastes
- Certain hazardous wastes
- Liquid wastes
- Tyres
- **Biodegradable waste/Organic Waste**

# Biodegradable Waste

- Capable of undergoing aerobic or anaerobic decomposition, textiles, paper, food, green waste etc
- Organic Waste – food waste & green waste



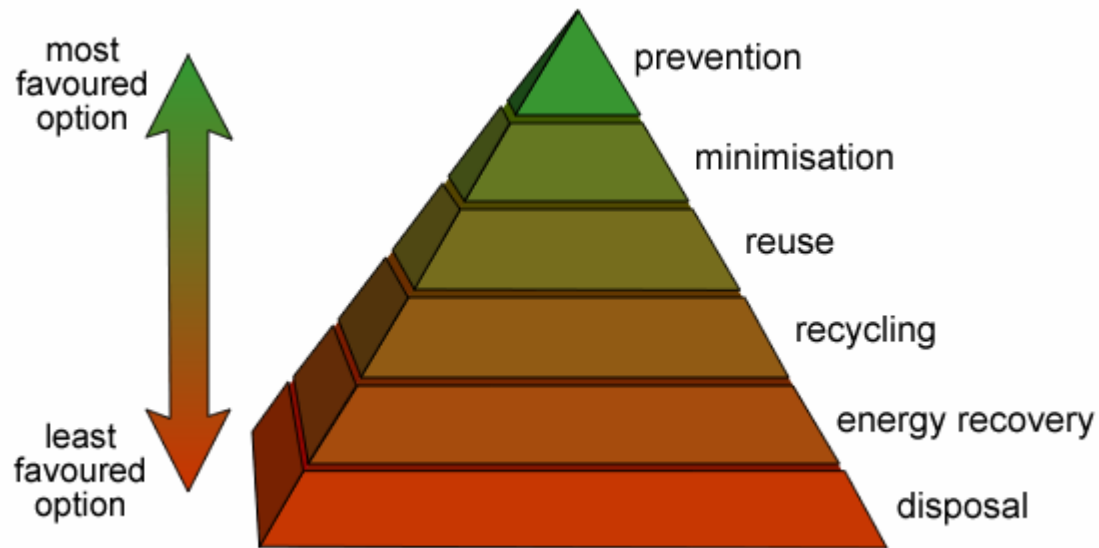
# Landfill Directive 1999/31/EC

- Restrictions are driven by targets
- Biodegradable Municipal Waste (BMW)
- 75% of baseline (1995) levels by 2010
- 50 % of baseline (1995) levels by 2013
- 35% of baseline (1995) levels by 2016

# National Strategy on Biodegradable Waste

- Published 2006
- Sets out measures to divert bio waste from Landfill
- Emphasis on source separation of biodegradable waste by the producer followed by separate collection

# Waste Hierarchy



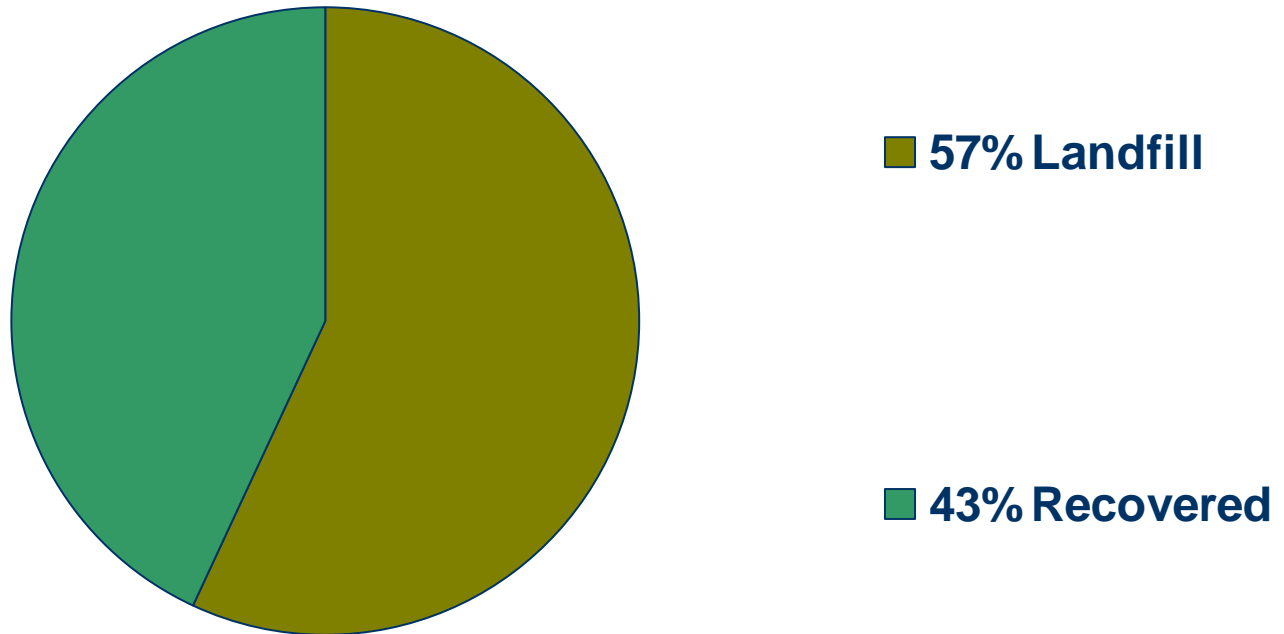
# Municipal Waste (2008) – 3.2M Tonnes

- 63% Landfill
- 37% Recovery

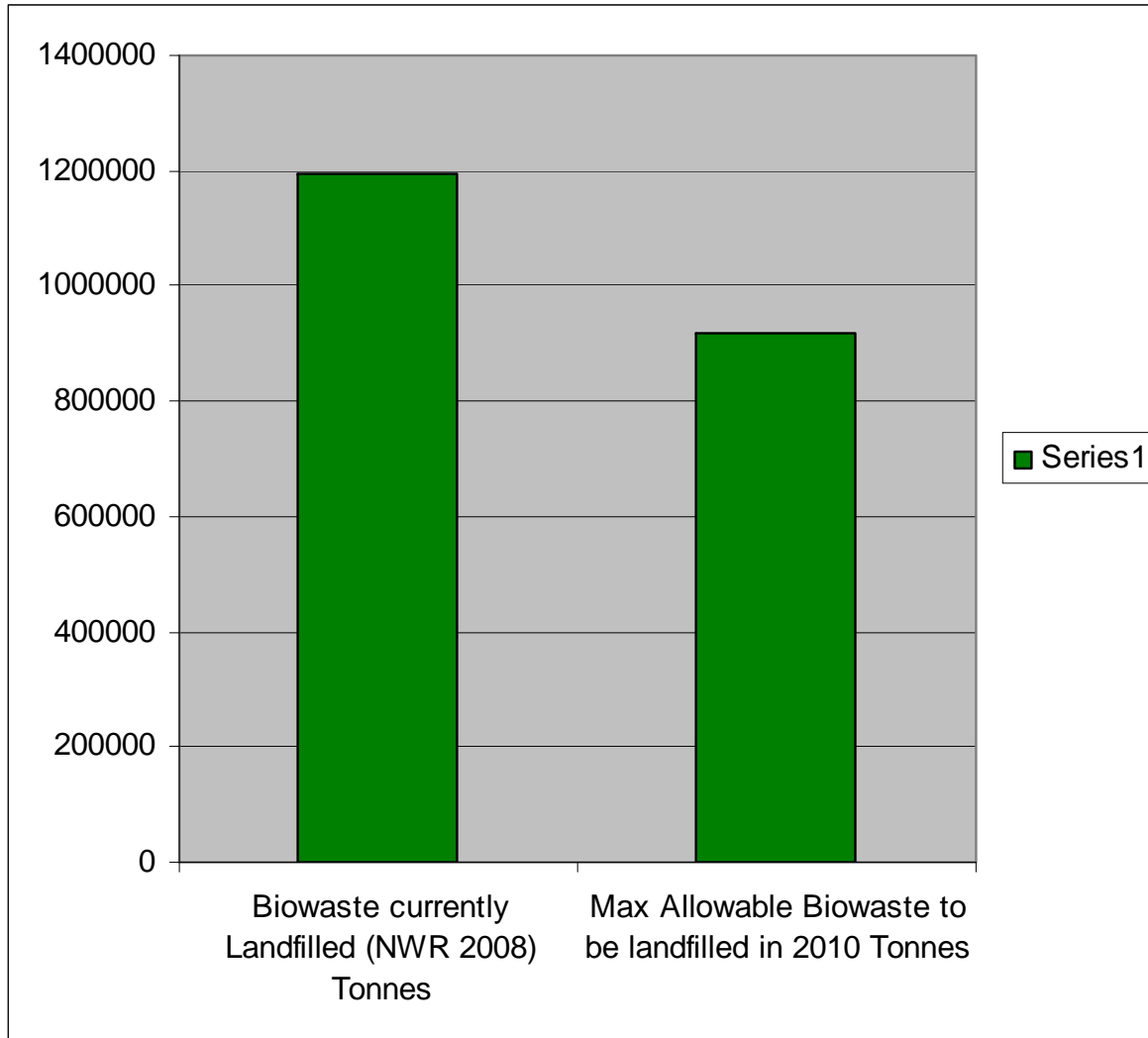




# Biodegradable Waste – 2.1M tonnes



# Tonnes of Biodegradable Waste Landfilled



# Issues with Bio waste to Landfill

- Compliance with EU Obligations – Potential Fines
- Greenhouse gas emissions
- Odour
- Landfill leachate

# Waste Management (Food Waste) Regulations

- Designed to:
  - Promote Segregation of food waste
  - Promote Recovery of food waste arising in the commercial sector
  - Facilitate achievement of the targets set out in the landfill directive
  - Increase the amount of food waste that is recovered

# Scope of the Regulations

- Food Waste
- Arising on the premises of the producers
- Set out in Schedule 1 of the Regulations

# To Whom do the Regulations Apply?

- Hotels
- Restaurants
- Cafés
- Public Houses
- Guest Houses (>4bed)
- Shops
- Supermarkets
- Chippers (sale of hot food off the premises)
- Hospitals
- Nursing Homes
- Crèches
- State Buildings with canteen
- Educational facilities with canteen
- Stations, Airports, Harbours etc

# Regulations do NOT apply to:

- Domestic households
- Food waste from international transport
- Off-shore islands
- Premises located at a community event, which does not require an event licence
  - Such as fair, funfair, bazaar, circus, etc
  - Event shorter than 10 continuous days
  - Event shorter than 20 days in any one yr

# When

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- Main Provisions – 01 July 2010



# Exception

- Premises which produce < 50kg per week
  - Provisions shall apply 01 July 2011
  - Written declaration must be made to the Local Authority by 01 July 2010

# Producer Obligations

- Food waste arising on the premises must be **source segregated** and **kept separate** from all other materials
- Separate dedicated bin

# Producer Obligations

- Segregated food waste must be subjected to an authorised treatment process/facility
- i.e. Composting
- Anaerobic Digestion
- Rendering

# Authorised Facility

- A facility that is authorised for the treatment of waste in accordance
  - Waste Management Act & Environmental Protection Act
  - Planning requirements
  - Animal By Products Regulations

# **Authorised Treatment Facility Compost Facility**

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# Technology – Anaerobic Digestion

The slide features a decorative design on the left side. It includes a light green rectangular area at the top left, a white rounded rectangular area below it, and a dark blue horizontal bar with rounded ends extending across the width of the slide.

# Producer Obligations Option 1

- Collected by an authorised waste collector and transferred to an authorised treatment facility,

# Option 1

- Written declaration from producer to collector confirming source segregation
- Collector is not obliged to collect food waste where food waste has not been segregated in accordance with the Regulations
- Waste collector required to inform LA of persons refusing to avail of source segregated waste collection service (annually)



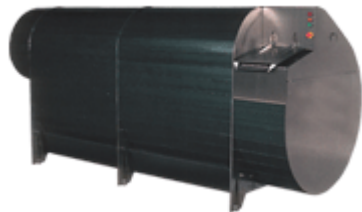
# Producer Obligations Option 2

- Transferred directly by the producer to an authorised treatment facility
- Authorised to accept food waste
  - EPA Licence or LA Waste Permit
  - Licence from Department of Agriculture to treat food waste

# Producer Obligations Option 3

- On site treatment
- E.g. appropriate in-vessel compost unit
- Various makes and models available
- Potential to reduce waste disposal costs
- Potential for community compost facility

# On Site Compost Units



# On Site Treatment - Authorisation



- Obtain waste authorisation in accordance with Waste Management (Facility Permit and Certificate of Registration) Regulations, 2007
- Certificate of Registration where food waste < 50 tonnes pa

# Trade Shows, Exhibitions & Events

- Regulations apply to events as prescribed under Section 230 of the Planning & Development Act
- Other event > 10 continuous days or > 20 cumulative days
- Organisers **must**:
  - Ensure compliance with the regulations
  - Ensure producer supplying food at the event is compliant
  - Prepare a food waste management plan prior to event
  - Prepare a food waste management implementation report after the event

# Use of Macerators

- The use of a macerator is **NOT** permitted where a separate food waste collection service is available
- In any case, the use of a macerator is **NOT** permitted unless in accordance with a Trade Effluent Discharge Licence under the Local Government (Water Pollution) Act, 1977



# Use of Macerators

- Increase load on sewer network & treatment plant
- Increase generation of sludge
- Can cause blockages from deposits in pipes
- Fats, oils, grease

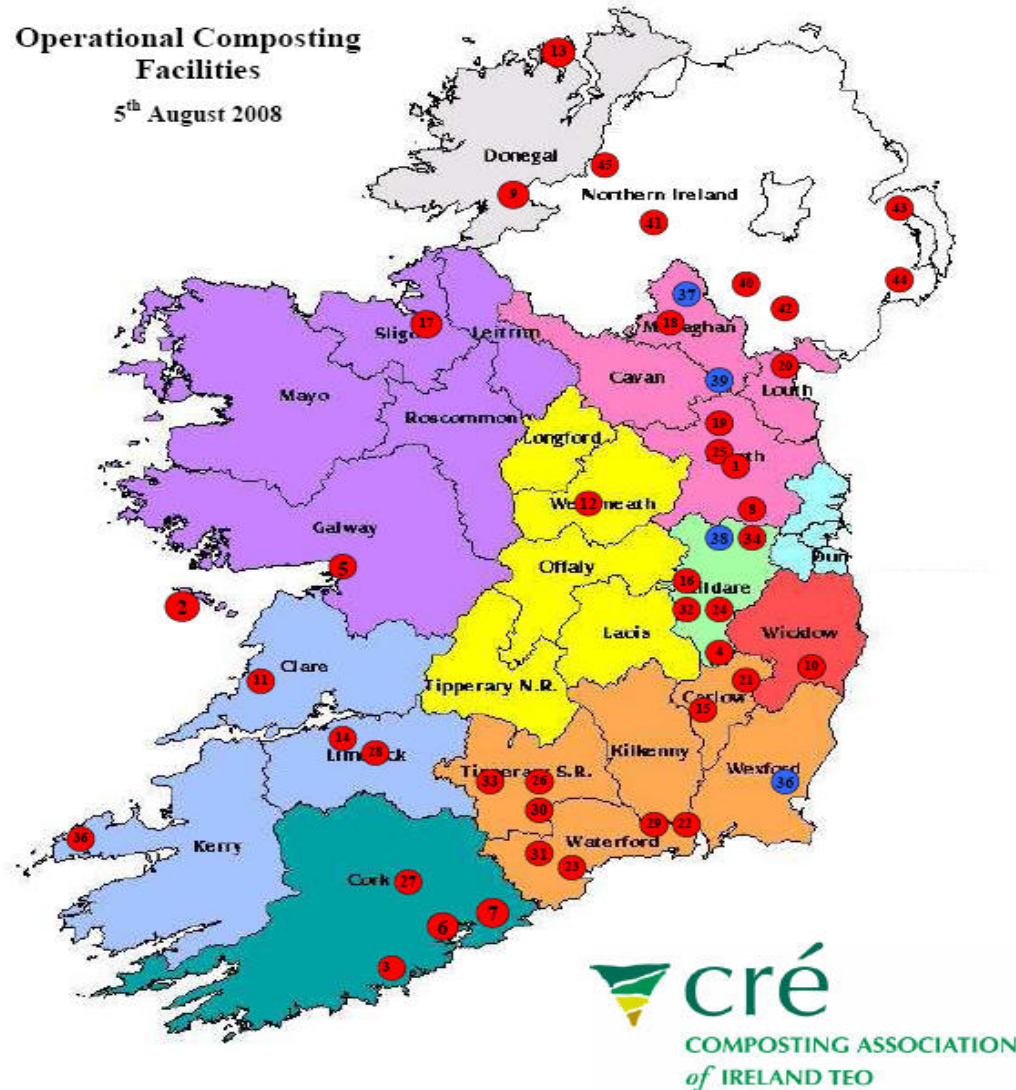


# Who Will Enforce the Regulations?

- Cork County Council may require:
  - A food waste management implementation report once a year
  - Information & evidence regarding use, type, quantity, origin, management arrangements and destination of food waste
  - Annual Environmental Report for the previous calendar year



# Compost Facilities in Ireland



# Compost Facilities in Ireland

- 41 Compost facilities in ROI (approx)
- 7 facilities are licensed to accept food waste
- The remaining facilities consist of
  - Green waste composting
  - Sludge composting

# Facilities in Cork

- 5 Compost facilities in Cork
  - Green waste & sludges
- These facilities do not accept catering waste at the moment
  - Facilities in nearby Counties
  - Transfer Stations if authorised
  - Expectation existing facilities will develop potential to treat food waste in the future

# In Summary

- Provision of the regulations come into effect on 01 July 2010
- All producers must source segregate food waste
- Source segregated food waste must be transferred to an authorised treatment process by an authorised collector or the producer, or alternatively treated on site
- Small Producers must submit declaration for derogation by 01 July 2010



Thank You