

HEALTH AND SAFETY MANAGEMENT

OPERATIONAL WASTE MANAGEMENT

Juan A Ferriz-Papi



Regulation framework for waste

European

Directive 1999/31/EC about waste disposal to dumps

Decision 2014/955/EC about waste classification

Decision 2003/33/EC, about criteria and procedures for waste admission in dumps

Directive 2008/98/EC about waste

National

Waste (England and Wales) Regulations 2011 (Amended in 2012)

Environmental Permitting (England and Wales) Regulations 2010

**Hazardous Waste (England and Wales) Regulations 2005
(Amended in 2009)**



1. TYPES OF WASTE

Waste (DIR 2008/98/EC)

“Any substance or object which the holder discards or intends or is required to discard. ”

The following shall be excluded:

- Gaseous effluents emitted into the atmosphere
- Uncontaminated soil and other material excavated during the construction activities which will be used for the construction in its natural state on the site from which it was excavated
- Radioactive waste
- Decommissioned explosives
- Faecal matter



1. TYPES OF WASTE

Hazardous waste

“Waste which displays one or more of the hazardous properties listed in Annex III.”

H1.- Explosive

H2.- Oxidizing

H3- A.- Highly flammable

H3-B.- flammable

H4.- Irritant

H5.- Harmful

H6.- Toxic

H7.- Carcinogenic

H8.- Corrosive

H9.- Infectious

H10.- Toxic for reproduction

H11.- Mutagenic

H12.- Waste which releases toxic gases in contact with water, air or an acid

H13.- Sensitizing

H14.- Ecotoxic

H15.- waste that can react and result in any of these characteristics



1. TYPES OF WASTE

Non-hazardous waste

Non-hazardous waste

It does not present any of the characteristics listed in Annex III

Inert waste

This non-hazardous waste that:

- does not present any significant physical, chemical or biological change,
- is not soluble nor flammable
- Is not biodegradable
- Does not affect any other material in contact with it



European Waste Catalogue

EWc Code

Waste is classified with a 6 number code:

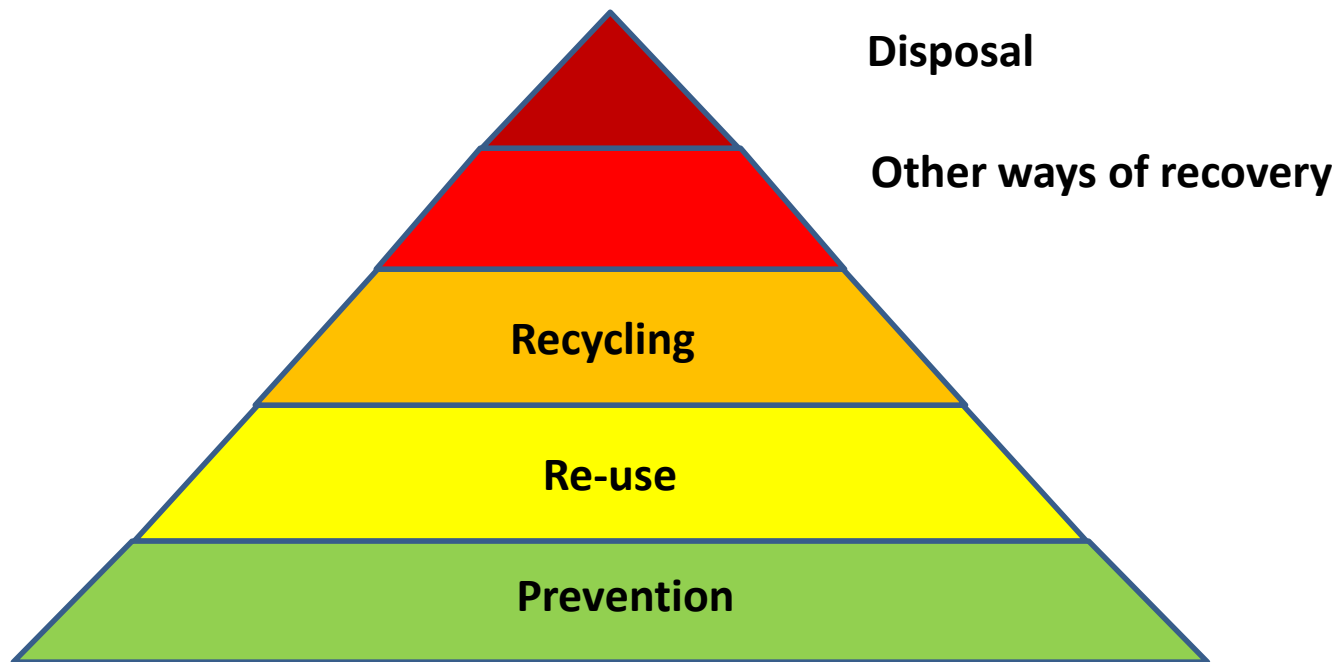
XX. Section

XX.XX. Sub-section

XX.XX.XX. Type of waste



Priorities for waste recovery





Carriers, brokers and dealers

Carriers: Transport waste

Brokers: arrange for other businesses' waste to be handled, transported, disposed of or recovered

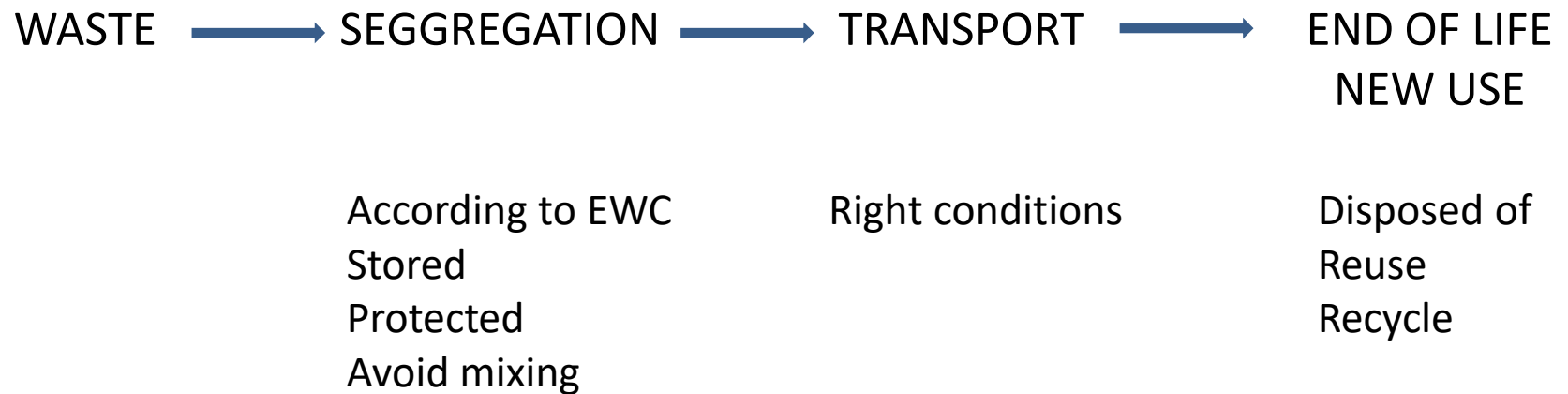
Dealers: Buy waste from other businesses to sell on

They should be accredited

<https://www.gov.uk/guidance/access-the-public-register-for-environmental-information>



Traceability of waste





WASTE MANAGEMENT PLANS

A WMP covers:

Responsibilities

Types of waste and quantities

Management systems, such as:

- Segregation and storage
- Final end
- Reporting
- Facility recovery
- Training

Procurement



EXAMPLES OF APPLICATION

WRAP. Operational Waste Guidance for Offices

<http://www.wrap.org.uk/sites/files/wrap/Operational%20Waste%20Guidance.pdf>

BREEAM. Operational Waste

https://www.breeam.com/BREEAMUK2014SchemeDocument/content/10_waste/wst03.htm

BS 5906:2005. Waste Management in Buildings. Code of Practice

Better Building Partnership (AU)

<http://www.betterbuildingspartnership.com.au/resource/guidelines-for-operational-waste-procurement-management-and-reporting/>