

THIRD SCHEDULE OF WASTE MANAGEMENT ACTS 1996 TO 2011
DISPOSAL OPERATIONS

D 1 Deposit into or on to land (e.g. landfill, etc.)

D 2 Land treatment (e.g. biodegradation of liquid or sludgy discards in soils, etc.)

D 3 Deep injection (e.g. injection of pumpable discards into wells, salt domes or naturally occurring repositories, etc.)

D 4 Surface impoundment (e.g. placement of liquid or sludgy discards into pits, ponds or lagoons, etc.)

D 5 Specially engineered landfill (e.g. placement into lined discrete cells which are capped and isolated from one another and the environment, etc.)

D 6 Release into a water body except seas/oceans

D 7 Release to seas/oceans including sea-bed insertion

D 8 Biological treatment not specified elsewhere in this Schedule which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12

D 9 Physico-chemical treatment not specified elsewhere in this Schedule which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12 (e.g. evaporation, drying, calcination, etc.)

D 10 Incineration on land

D 11 Incineration at sea (this operation is prohibited by EU legislation and international conventions)

D 12 Permanent storage (e.g. emplacement of containers in a mine, etc.)

D 13 Blending or mixing prior to submission to any of the operations numbered D 1 to D 12 (if there is not other D code appropriate, this can include preliminary operations prior to disposal including pre-processing such as, amongst others, sorting, crushing, compacting, pelletising, drying, shredding, conditioning or separating prior to submission to any of the operations numbered D1 to D12)

D 14 Repackaging prior to submission to any of the operations numbered D 1 to D 13

D 15 Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced).

FOURTH SCHEDULE OF WASTE MANAGEMENT ACTS 1996 TO 2011

RECOVERY OPERATIONS

R 1 Use principally as a fuel or other means to generate energy: This includes incineration facilities dedicated to the processing of municipal solid waste only where their energy efficiency is equal to or above -

- 0.60 for installations in operation and permitted in accordance with applicable Community acts before 1 January 2009,
- 0.65 for installations permitted after 31 December 2008,

using the following formula, applied in accordance with the reference document on Best Available Techniques for Waste Incineration:

$$\text{Energy efficiency} = (E_p - (E_f + E_i)) / (0.97 \times (E_w + E_f))$$

where -

‘ E_p ’ means annual energy produced as heat or electricity calculated with energy in the form of electricity being multiplied by 2.6 and heat produced for commercial use multiplied by 1.1 (GJ/year),

‘ E_f ’ means annual energy input to the system from fuels contributing to the production of steam (GJ/year),

‘ E_w ’ means annual energy contained in the treated waste calculated using the net calorific value of the waste (GJ/year),

‘ E_i ’ means annual energy imported excluding E_w and E_f (GJ/year),

‘0.97’ is a factor accounting for energy losses due to bottom ash and radiation.

R 2 Solvent reclamation/regeneration

R 3 Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes), which includes gasification and pyrolysis using the components as chemicals

R 4 Recycling/reclamation of metals and metal compounds

R 5 Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials

R 6 Regeneration of acids or bases

R 7 Recovery of components used for pollution abatement

R 8 Recovery of components from catalysts

R 9 Oil re-refining or other reuses of oil

R 10 Land treatment resulting in benefit to agriculture or ecological improvement

R 11 Use of waste obtained from any of the operations numbered R 1 to R 10

R 12 Exchange of waste for submission to any of the operations numbered R 1 to R 11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as, amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of the operations numbered R1 to R11)

R 13 Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage (being preliminary storage according to the definition of ‘collection’ in section 5(1)), pending collection, on the site where the waste is produced)”.

(NOTE: THESE ARE THE OLD 3RD & 4TH SCHEDULES BEFORE AMENDMENTS TO WASTE MANAGEMENT ACT IN 2011)

**THIRD SCHEDULE
WASTE DISPOSAL ACTIVITIES**

1. Deposit on, in or under land (*including landfill*).
2. Land treatment, including biodegradation of liquid or sludge discards in soils.
3. Deep injection of the soil, including injection of pumpable discards into wells, salt domes or naturally occurring repositories.
4. Surface impoundment, including placement of liquid or sludge discards into pits, ponds or lagoons.
5. Specially engineered landfill, including placement into lined discrete cells which are capped and isolated from one another and the environment.
6. Biological treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in *paragraphs 1 to 5 or paragraphs 7 to 10 of this Schedule*.
7. Physico-chemical treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in *paragraphs 1 to 5 or paragraphs 8 to 10 of this Schedule*.
8. Incineration on land or at sea.
9. Permanent storage, including emplacement of containers in a mine.
10. Release of waste into a water body (including a seabed insertion).
11. Blending or mixture prior to submission to any activity referred to in *a preceding paragraph of this Schedule*.
12. Repackaging prior to submission to any activity referred to in *a preceding paragraph of this Schedule*.
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

1. Solvent reclamation or regeneration.
2. Recycling or reclamation of organic substances which are not used as solvents. (*including composting and other biological processes*).
3. Recycling or reclamation of metals and metal compounds.
4. Recycling or reclamation of other inorganic materials.
5. Regeneration of acids or bases.
6. Recovery of components used for pollution abatement.
7. Recovery of components from catalysts.
8. Oil re-refining or other re-uses of oil.
9. Use of any waste principally as a fuel or other means to generate energy.
10. The treatment of any waste on land with a consequential benefit for an agricultural activity or ecological system.
11. Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.
12. Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.
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.