SCHEDULE 4

WASTE FRAMEWORK DIRECTIVE

PART III

WASTE RECOVERY OPERATIONS

NB. This part of this Schedule is intended to list recovery operations as they occur in practice. In accordance with Article 13 of the Directive waste must be recovered without endangering human health and without the use of processes or methods likely to harm the environment.

(1) *Operation Code*	*Description*
R1	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 greater than (i) 0.60 for installations in operation and permitted in accordance with applicable Community legislation before 1st January 2009; or (ii) 0.65 for other installations. Energy efficiency is calculated according to the formula contained in Annex II of the Directive.
R2	Solvent reclamation/regeneration.
R3	Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes). This includes gasification and pyrolysis using the components as chemicals.
R4	Recycling/reclamation of metals and metal compounds.
R5	Recycling/reclamation of other inorganic materials. This includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials.
R6	Regeneration of acids or bases.
R7	Recovery of components used for pollution abatement.
R8	Recovery of components from catalysts.
R9	Oil re-refining or other reuses of oil.

(1) The operations listed in this Part of this Schedule are listed in accordance with Annex II of the Directive.

(1) *Operation Code*	*Description*
R10	Land treatment resulting in benefit to agriculture or ecological improvement.
R11	Use of wastes obtained from any of the operations listed as R1 to R10 in this Part of this Schedule.
R12	Exchange of wastes for submission to any of the operations listed as R1 to R11 in this Part of this Schedule. If there is no other R code appropriate, this may include preliminary operations prior to recovery including pre-processing such as dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of operations R1 to R11.
R13	Storage of wastes pending any of the operations listed as R1 to R12 in this Part of this Schedule, excluding preliminary storage referred to in Article 3(10) of the Directive, pending collection, on the site where the waste is produced.

(1) The operations listed in this Part of this Schedule are listed in accordance with Annex II of the Directive.