Waste Acceptance Criteria: Thresholds

Table 5.3: Criteria for granular waste acceptable at landfills (Transposed from Council Decision annex 2003/33/EC)

Parameter	Inert waste landfill	Stable non-reactive / non-hazardous	Hazardous waste landfill
Parameters determined on the waste – total concentration			
Total organic carbon (%w/w)	3%	5%	6%*
Loss on ignition (%w/w)			10%*
BTEX (mg/kg)	6		
PCBs (7 congeners) (mg/kg)	1		
Mineral oil C10-C40 (mg/kg)	500		
PAHs (mg/kg)	100		
pH		>6	
Acid neutralisation capacity		To be evaluated	To be evaluated
Limit values (mg/kg) for compliance leaching test using BS EN 12457 at L/S 10 l/kg			
As (arsenic)	0.5	2	25
Ba (barium)	20	100	300
Cd (cadmium)	0.04	1	5
Cr (chromium (total))	0.5	10	70
Cu (copper)	2	50	100
Hg (mercury)	0.01	0.2	2
Mo (molybdenum)	0.5	10	30
Ni (nickel)	0.4	10	40
Pb (lead)	0.5	10	50
Sb (antimony)	0.06	0.7	5
Se (selenium)	0.1	0.5	7
Zn (zinc)	4	50	200
Cl (chloride)	800	15,000	25,000
F (fluoride)	10	150	50
SO4 (sulphate)	#1,000	20,000	50,000
Total dissolved solids (TDS)+	4,000	60,000	10,0000
Phenol index	1		
Dissolved organic carbon at own pH or pH7.5-8.0@	500	800	1,000

Note: additional substances may be required based on source knowledge

* Either TOC or LOI must be used for hazardous wastes

\# If an inert waste does not meet the SO4 L/S10 limit, alternative limit values of 1500 mg/l SO4 at C0 (initial eluate from the percolation test (prCEN/TS 14405:2003)) AND 6000 mg/kg SO4 at L/S10 (either from the percolation test or batch test BS EN 12457), can be used to demonstrate compliance with the acceptance criteria for inert wastes.

\+ The values for TDS can be used instead of the values for Cl and SO4.

@ DOC at pH 7.5-8.0 and L/S10 can be determined on eluate derived from a modified version of the pH dependence test, prCEN/TS 14429:2003, if the limit value at own pH (BS EN 12457 eluate) is not met.

⊕ In the case of soils, a higher TOC limit value may be permitted by the Environment Agency at an inert waste landfill, provided the DOC value of 500mg/kg is achieved at L/S 10 l/kg, either at the soil's own pH or at a pH value between 7.5 and 8.0.