

Doc B2.7.4 Environmental risk assessment H1 annex (g) – Disposal or recovery of waste produced on site

Table 1 – Identifying waste streams

Waste stream No	Description of waste stream	Amount produced tonne/year	Nature of waste	Disposal or recovery option
1	Non hazardous (mostly plastic transit packaging, process scrap from packing/filling, disposables, etc).	737	Other non-haz	Other recycling (R5)
2	Sludge from trade effluent (including waste from preparation and processing of meat).	1,100	Bio non-haz	Land treatment (R10)
3	Cardboard	206	Bio non-haz	Other recycling (R3)
4	Animal by-products (category 3) including former foodstuffs (cooked meats)	100	Bio non-haz	Other recycling (R3)
5	Wood (pallets, etc)	25	Bio non-haz	Other recycling (R3)
6	Metal	6	Other non-haz	Other recycling (R4)
7	Oil (including oil, oil filters and empty drums)	1	Hazardous	Chemical recovery (R5)
8	Fluorescent tubes, sodium lamps, etc	<1	Hazardous	Other recycling (R5)
9	Degreasing waste (water-detergent-oil emulsion)	<1	Hazardous	Chemical recovery (R5)

Notes

- a) Confirmed with carriers all of the quantities and recovery options used for each of the waste streams.
- b) Recovery codes confirmed with definitions in Annex II of the Waste Framework Directive 2008/98/EC.

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Table 2 – Scoring the nature of waste

Nature of waste	Score
Hazardous	10
Stable non-reactive hazardous waste	8
Biodegradable non-hazardous waste	4
Other non-hazardous waste	2
Inert waste	1

Table 3 – Scoring waste disposal and recovery options

Disposal/Recovery option	Score
Composting (R3)	2
Other recycling (R3, R4, R5, R11 and R12)	3
Chemical recovery (R2 to R9)	4
Land treatment (R10)	4
Use of waste as fuel (R1)	6
Biological treatment with energy recovery (D8/R3 and R1)	8
Incineration with energy recovery (D10)	10
Biological and physico-chemical treatment (D8 and D9)	12
Release into water and lagoons (D4,D6 or D7)	15
Permanent storage (D10 or D3)	17
Incineration without energy recovery (D10)	20
Landfill (D5)	30

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Table 4 – Identifying and scoring waste streams (base case)

Waste Stream No	Description of waste	Amount produced tonne/year	Nature of waste	Disposal or recovery option	Impact score
1	Non hazardous (mostly plastic transit packaging, process scrap from packing/filling, disposables, etc).	737	Other non-haz (2)	Other recycling (R5) (3)	4,422
2	Sludge from trade effluent (including waste from preparation and processing of meat).	1,100	Bio non-haz (4)	Land treatment (R10) (4)	17,600
3	Cardboard	206	Bio non-haz (4)	Other recycling (R3) (3)	2,472
4	Animal by-products (category 3) including former foodstuffs (cooked meats)	100	Bio non-haz (4)	Other recycling (R3) (3)	1,200
5	Wood (mostly waste pallets, cases, etc)	104	Bio non-haz (4)	Other recycling (R3) (3)	1,248
6	Metal	6	Other non-haz (2)	Other recycling (R4) (3)	36
7	Oil	1	Hazardous (10)	Chemical recovery (R5) (4)	40
8	Fluorescent tubes, lamps, etc	1	Hazardous(10)	Other recycling (R5) (4)	40
9	Degreasing waste (water-detergent-oil emulsion)	1	Hazardous (10)	Chemical recovery (R5) (4)	40

Total = 27,098

Notes

- a) Impact score = tonnes x nature of the waste score x disposal/recovery option score.
- b) Operators are using indicative Best Available Techniques described in the Technical Guidance Note for the Food & Drink Sector (EPR6.10). All of the waste streams are already segregated for recovery so the base case is considered to represent the best environmental option.